



LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT, AUSTRALIA, FEBRUARY 1983

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CONTENTS

| Table | Page |
|---|------|
| . . . Explanatory notes | 2 |
| . . . Summary of findings | 4 |
| Civilian population aged 15 and over | |
| Educational attainment— | |
| 1 Labour force status | 7 |
| 2 Age | 8 |
| 3 Labour force status, States and Territories | 9 |
| Main field of study, age and labour force status | |
| 4 Persons with a degree or equivalent qualification | 10 |
| 5 Persons with a trade or technical level qualification | 11 |
| Persons in the labour force | |
| Educational attainment— | |
| 6 Employment status and full-time or part-time status | 12 |
| Employed persons | |
| Educational attainment— | |
| 7 Industry | 13 |
| 8 Occupation | 14 |
| 9 Industry by occupation | 15 |
| 10 Age | 16 |
| Unemployed persons | |
| Educational attainment— | |
| 11 Age | 17 |
| 12 Duration of current period of unemployment | 18 |
| Persons not in the labour force | |
| Educational attainment— | |
| 13 Age | 19 |
| 14 Major activity and whether in the labour force in the last 12 months | 20 |
| Summary of results 1979 to 1983 | |
| Educational attainment— | |
| 15 Labour force status | 21 |
| 16 Unemployment rates, average and median durations of unemployment | 22 |
| . . . Technical note | 23 |

EXPLANATORY NOTES

Introduction

In association with the February 1983 labour force survey conducted throughout Australia, persons aged fifteen years and over were asked about their highest educational qualification. For persons with post-school qualifications, the information sought included field of study, and for those who did not complete their schooling, it included the age at which they left school.

2. During the two weeks beginning Monday 7 February, 1983, specially trained interviewers asked the questions of a sub-sample of 51,000 of the 71,000 respondents in the February labour force survey.

3. Results of similar surveys, the first conducted in February 1979 have been published in *Labour Force Status and Educational Attainment, Australia* (6235.0).

Scope

4. The survey includes all civilians aged fifteen years and over except:

- (a) certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations;
- (b) overseas residents in Australia;
- (c) dependants of non-Australian defence forces personnel stationed in Australia;
- (d) students boarding at school, some patients in hospitals and sanatoria and inmates of jails, reformatories etc.

Definitions

5. Definitions of the principal labour force categories appearing in this publication are given in *The Labour Force, Australia* (6203.0), but it should be noted that there are slight differences in the estimates for labour force categories shown in these publications. This is due to the different sizes of the samples used and the inability to obtain from a small number of persons the additional information required for the educational qualifications survey. Although the estimation procedures take account of these factors, estimates for some characteristics will be affected.

6. *Persons with a post-school qualification* are those who have left school and answer 'Yes' to the question: 'Since leaving school have you obtained a certificate, diploma, degree or any other qualification?'

7. *Classification of post-school qualifications*. Respondents indicate which one of the following groups best describes their highest qualification:

- (a) *Degree or equivalent*: a bachelor degree (including honours), a graduate or post-graduate diploma, masters degree or a doctorate;

(b) *Trade, technical*: completion of an approved trade/technician apprenticeship or training course, other certificate or diploma in secretarial or business studies, administration, teaching, nursing, etc.;

(c) *Other*: completion of other post-secondary education e.g. adult education, preparatory bridging course or hobby course.

8. *Classification of field of study*. Respondents with a degree, trade or technical qualification (i.e. (a) or (b) in paragraph 7) indicate the field of study for their highest qualification (See Tables 4 and 5).

9. *Highest level of secondary school available* refers to the highest level of secondary schooling (or equivalent) offered by the education system at the time the respondent left school.

10. *Still at school*. Current school attendance is recorded only for persons aged fifteen to twenty years.

Comparability of the estimates

11. Educational attainment of persons not in the labour force is not available for the February 1979, 1980 and 1981 surveys which only covered persons in the labour force.

12. Estimates in this series are not strictly comparable with those from the population censuses due to differences in questions and coding methodology.

Reliability of the estimates

13. Estimates in this publication are subject to two sources of error:

- (a) *sampling error*: since the estimates are based on information obtained from occupants of a sample of dwellings, they may differ from the figures that would have been produced if all dwellings had been included in the survey. More information on this topic is given in the Technical note.
- (b) *non-sampling error*: inaccuracies may occur because of imperfections in reporting by interviewers and respondents and errors made in the coding and processing of data. These inaccuracies may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

Related publications

14. Other ABS publications which may be of interest include:

The Labour Force, Australia (6203.0)—issued monthly

Transition from Education to Work, Australia, May 1982(6227.0)

15. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia(1101.0)*. The ABS also issues, on Tuesdays and Fridays, a *Publications Advice(1105.0)* which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

- * subject to sampling variability too high for most practical uses. See paragraph 13 above.
- n.e.c. not elsewhere classified
- .. not applicable

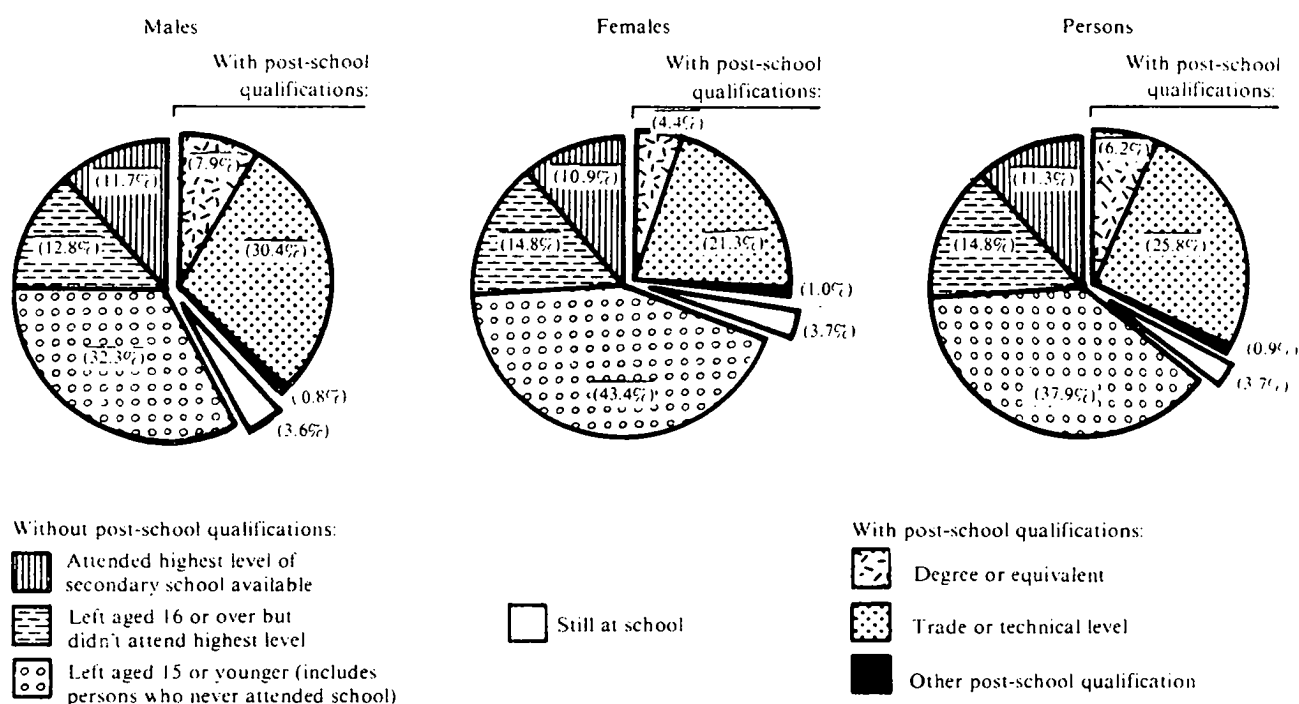
16. Because figures have been rounded, discrepancies may occur between sums of the component items and totals.

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Australian Statistician

SUMMARY OF FINDINGS

Of the civilian population 15 years and over, 32.9 per cent (3,702,900 persons) have a post-school qualification including 693,000 with a degree or equivalent and 2,909,800 with a trade or technical level qualification. Of the 7,147,000 persons over the age of 15 who do not have a post-school qualification, 5,821,300 have not attended the highest level of secondary school. A total of 4,264,900 persons, 37.9 per cent of the population, did not attend school beyond 15 years of age. The level of education amongst males is higher than amongst females with 39.2 per cent of males possessing post-school qualifications compared with only 26.7 per cent of females. Females have also been less likely to finish school than males — 58.2 per cent of females have not attended the highest level of secondary school available compared with 45.1 per cent for males. Since the first survey in February 1979, the proportion of employed persons with a post-school qualification has increased from 37.2 per cent to 42.4 per cent, while the proportion of employed persons who left school at age 15 or younger has decreased from 35.1 per cent to 29.0 per cent.

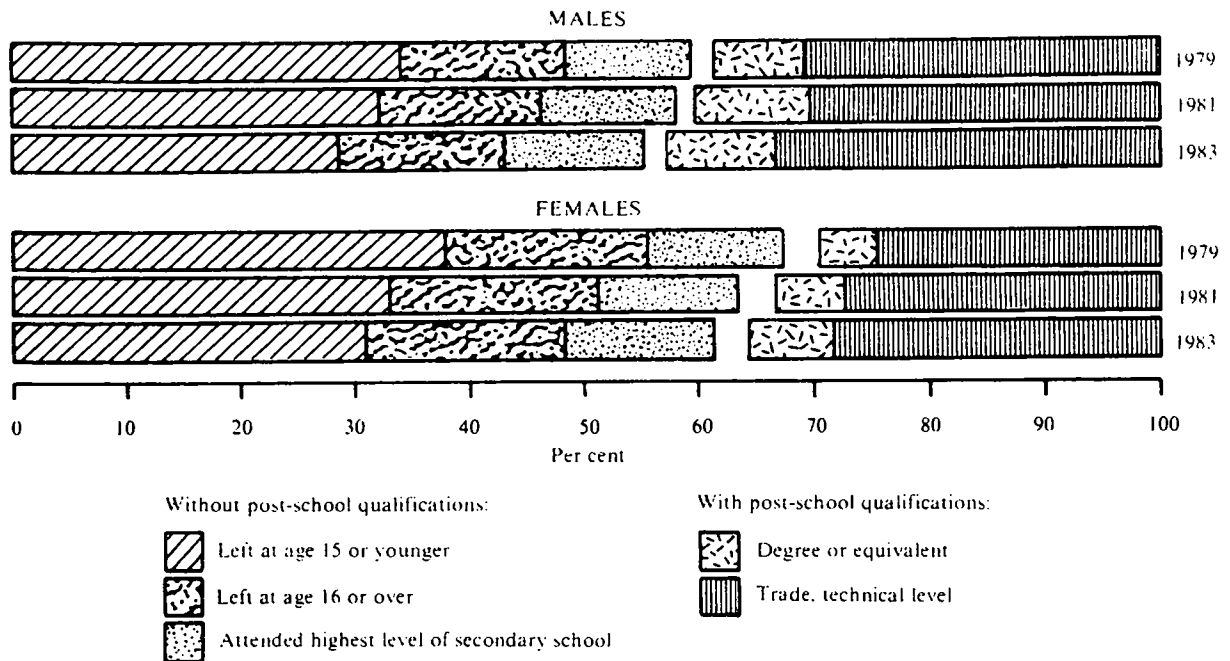
DIAGRAM 1. EDUCATIONAL ATTAINMENT OF THE POPULATION AGED 15 AND OVER
(Source of data: Table 2)



Educational Attainment of the Labour Force

For persons in the labour force, the proportion of persons with post-school qualifications has risen from 36.1 per cent in 1979 to 40.9 per cent in 1983, while the proportion in the labour force who left at age 15 or younger has fallen from 35.1 per cent to 29.0 per cent. While this rise in the level of educational attainment occurred for both males and females, females in the labour force with post-school qualifications increased at a greater rate than males. In February 1979, 30.5 per cent (717,400) of the female labour force had a post-school qualification but by February 1983 this had risen to 36.6 per cent (952,000 females), a gain of 6.1 percentage points. For males the corresponding figures are 39.3 per cent (1,629,000) in February 1979 rising by 4.2 percentage points to 43.5 per cent (1,914,200) of the male labour force at February 1983.

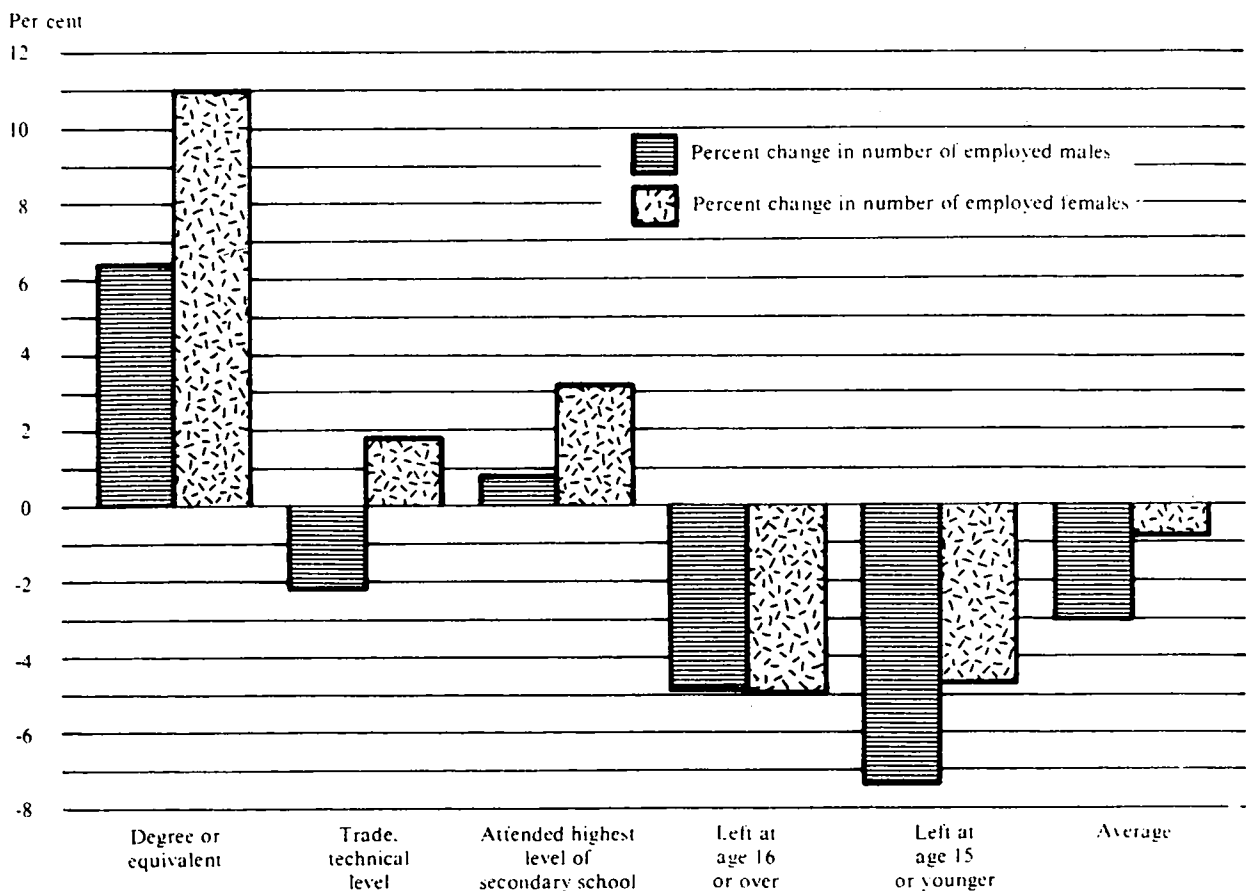
DIAGRAM 2. EDUCATIONAL ATTAINMENT OF THE LABOUR FORCE
(Source of data: Table 15)



Employed Persons : Movement February 1982 to February 1983

For different levels of educational attainment, the percentage change between February 1982 and February 1983 in the number of employed males and females generally conforms to the pattern of increasing numbers of employed persons with higher levels of educational attainment and decreasing numbers with lower levels of educational attainment. The exception to this pattern occurs for males with a trade, technical level qualification. The number of employed males in this group dropped by 2.2 per cent, from 1,399,200 in February 1982 to 1,368,600 in February 1983.

DIAGRAM 3. EMPLOYED PERSONS : MOVEMENT, FEBRUARY 1982 TO FEBRUARY 1983
BY EDUCATIONAL ATTAINMENT
(Source of data: Table 15)

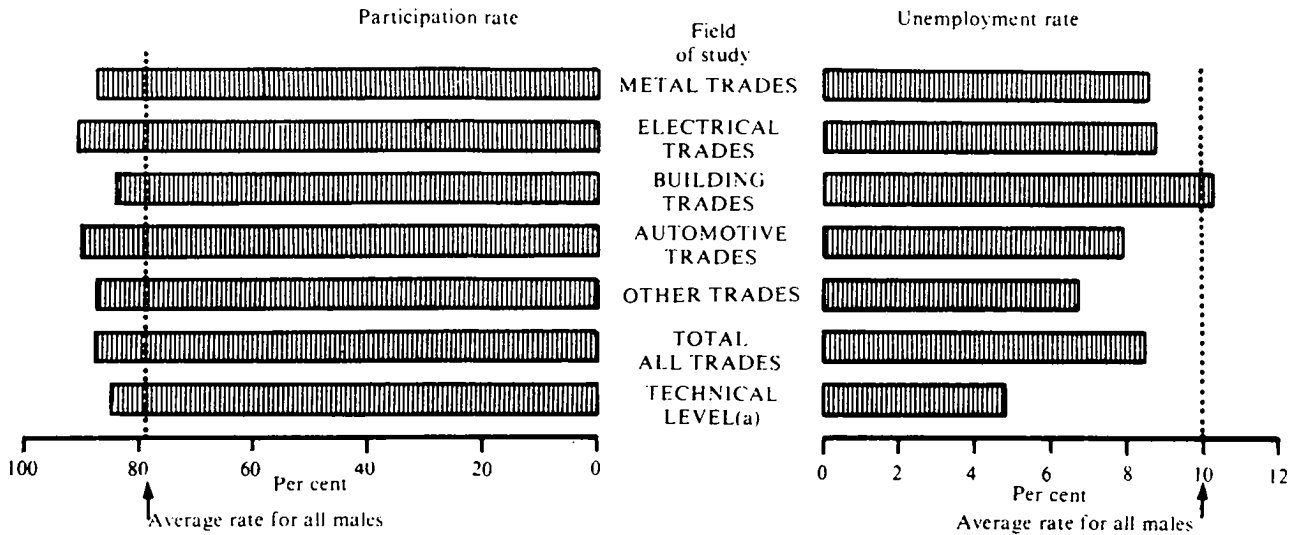


Males with trade, technical level qualifications

Participation rates for males with trade, technical qualifications were higher than the average for all males, especially in the fields of study covering the electrical trades (90.8 per cent participation) and the automotive trades (89.7 per cent participation).

Even though males whose field of study covered a trade had higher unemployment rates than males with technical level qualifications, males in this group had unemployment rates generally below the average unemployment rate for all males (10.0 per cent).

DIAGRAM 4. MALES WITH TRADE, TECHNICAL LEVEL QUALIFICATIONS: PARTICIPATION AND UNEMPLOYMENT RATES BY FIELD OF STUDY, FEBRUARY 1983
(Source of data: Table 5)



(a) Includes all other fields listed in Table 5.

Unemployment Rates 1979 to 1983

The relationship between unemployment and educational attainment has remained much the same over the period February 1979 to February, 1983. The average unemployment rate for Australia increased substantially from 7.0 per cent in 1982 to 10.7 per cent in 1983 and the unemployment rates for people with different levels of educational attainment have been similarly affected.

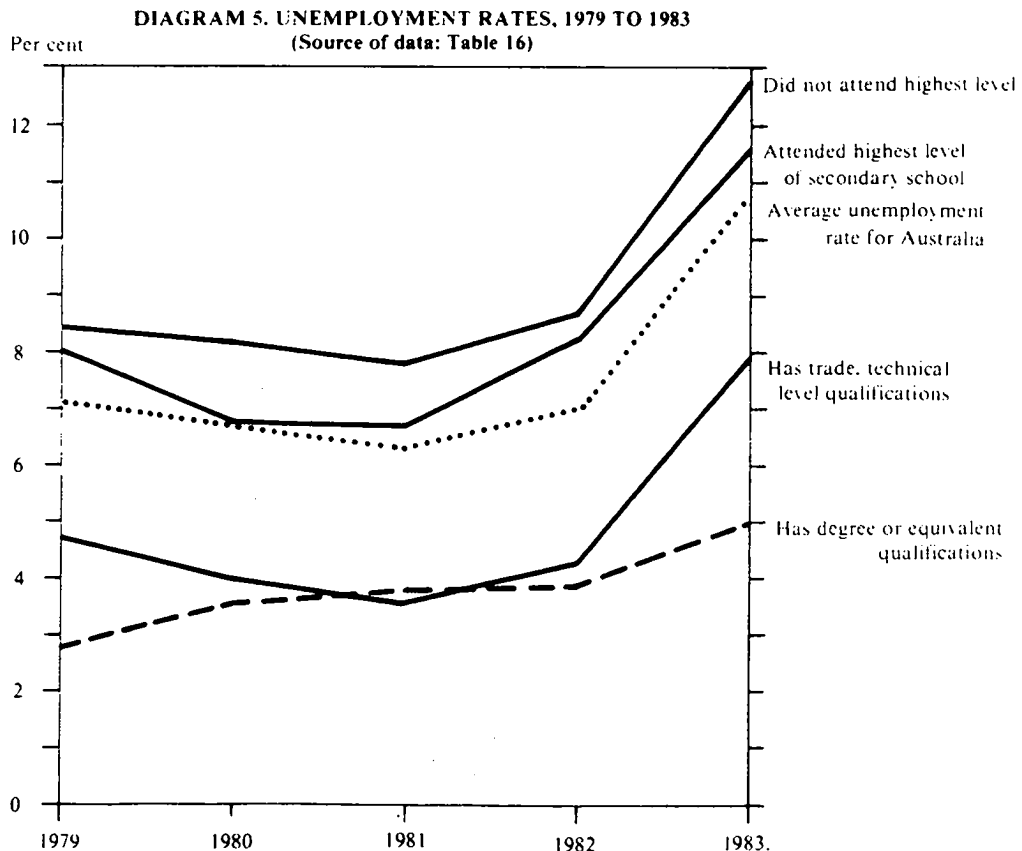


TABLE 1. CIVILIAN POPULATION AGED 15 AND OVER(a) : EDUCATIONAL ATTAINMENT AND LABOUR FORCE STATUS, FEBRUARY 1983

| Educational attainment | Number('000) | | | | | Participation rate | Unemployment rate |
|--|--------------|------------|---------------------|-------------------------|----------|--------------------|-------------------|
| | Employed | Unemployed | In the labour force | Not in the labour force | Total | | |
| | | | | | | | |
| MALES | | | | | | | |
| With post-school qualifications | 1,789.6 | 124.6 | 1,914.2 | 275.0 | 2,189.2 | 87.4 | 6.5 |
| Degree or equivalent | 386.9 | 14.5 | 401.4 | 42.4 | 443.7 | 90.5 | 3.6 |
| Trade, technical level | 1,368.6 | 106.5 | 1,475.1 | 226.4 | 1,701.4 | 86.7 | 7.2 |
| Other | 34.2 | * | 37.8 | 6.2 | 44.0 | 85.9 | * |
| Without post-school qualifications | 2,144.1 | 303.6 | 2,447.7 | 748.0 | 3,195.7 | 76.6 | 12.4 |
| Attended highest level of secondary school available | 487.0 | 59.0 | 546.1 | 109.3 | 655.4 | 83.3 | 10.8 |
| Did not attend highest level of secondary school available | 1,651.3 | 243.0 | 1,894.3 | 625.5 | 2,519.8 | 75.2 | 12.8 |
| Left at age— | | | | | | | |
| 18 years or over | 23.7 | 5.2 | 28.8 | 5.6 | 34.5 | 83.7 | 17.9 |
| 16 or 17 years | 518.7 | 86.7 | 605.4 | 75.2 | 680.6 | 89.0 | 14.3 |
| 14 or 15 years | 919.6 | 132.3 | 1,052.0 | 393.1 | 1,445.0 | 72.8 | 12.6 |
| 13 years or under | 189.2 | 18.9 | 208.1 | 151.6 | 359.7 | 57.9 | 9.1 |
| Never attended school | 5.7 | * | 7.3 | 13.2 | 20.5 | 35.5 | * |
| Still at school | 25.5 | 12.6 | 38.1 | 164.7 | 202.8 | 18.8 | 33.0 |
| Total | 3,959.2 | 440.8 | 4,400.0 | 1,187.7 | 5,587.7 | 78.7 | 10.0 |
| FEMALES | | | | | | | |
| With post-school qualifications | 864.6 | 87.4 | 952.0 | 561.7 | 1,513.7 | 62.9 | 9.2 |
| Degree or equivalent | 170.8 | 15.0 | 185.7 | 63.5 | 249.2 | 74.5 | 8.0 |
| Trade, technical level | 667.5 | 68.9 | 736.5 | 471.9 | 1,208.3 | 60.9 | 9.4 |
| Other | 26.3 | * | 29.8 | 26.4 | 56.2 | 53.1 | * |
| Without post-school qualifications | 1,393.4 | 206.0 | 1,599.4 | 2,351.9 | 3,951.3 | 40.5 | 12.9 |
| Attended highest level of secondary school available | 292.7 | 43.3 | 336.1 | 280.8 | 616.9 | 54.5 | 12.9 |
| Did not attend highest level of secondary school available | 1,096.8 | 161.5 | 1,258.3 | 2,043.2 | 3,301.5 | 38.1 | 12.8 |
| Left at age— | | | | | | | |
| 18 years or over | 15.4 | * | 19.1 | 15.4 | 34.5 | 55.3 | * |
| 16 or 17 years | 374.2 | 63.0 | 437.2 | 369.6 | 806.8 | 54.2 | 14.4 |
| 14 or 15 years | 627.9 | 85.0 | 712.8 | 1,352.2 | 2,065.1 | 34.5 | 11.9 |
| 13 years or under | 79.3 | 9.9 | 89.2 | 306.0 | 395.2 | 22.6 | 11.1 |
| Never attended school | * | * | 5.0 | 27.9 | 32.9 | 15.3 | * |
| Still at school | 37.8 | 12.5 | 50.3 | 160.4 | 210.7 | 23.9 | 24.8 |
| Total | 2,295.8 | 305.9 | 2,601.7 | 3,073.9 | 5,675.7 | 45.8 | 11.8 |
| PERSONS | | | | | | | |
| With post-school qualifications | 2,654.2 | 212.0 | 2,866.3 | 836.7 | 3,702.9 | 77.4 | 7.4 |
| Degree or equivalent | 557.6 | 29.5 | 587.1 | 105.8 | 693.0 | 84.7 | 5.0 |
| Trade, technical level | 2,036.1 | 175.4 | 2,211.5 | 698.2 | 2,909.8 | 76.0 | 7.9 |
| Other | 60.5 | 7.1 | 67.6 | 32.6 | 100.2 | 67.5 | 10.5 |
| Without post-school qualifications | 3,537.4 | 509.7 | 4,047.1 | 3,099.9 | 7,147.0 | 56.6 | 12.6 |
| Attended highest level of secondary school available | 779.8 | 102.4 | 882.2 | 390.1 | 1,272.3 | 69.3 | 11.6 |
| Did not attend highest level of secondary school available | 2,748.1 | 404.5 | 3,152.6 | 2,668.7 | 5,821.3 | 54.2 | 12.8 |
| Left at age— | | | | | | | |
| 18 years or over | 39.1 | 8.8 | 47.9 | 21.0 | 68.9 | 69.5 | 18.4 |
| 16 or 17 years | 893.0 | 149.7 | 1,042.6 | 444.8 | 1,487.4 | 70.1 | 14.4 |
| 14 or 15 years | 1,547.5 | 217.3 | 1,764.8 | 1,745.3 | 3,510.1 | 50.3 | 12.3 |
| 13 years or under | 268.6 | 28.7 | 297.3 | 457.5 | 754.8 | 39.4 | 9.7 |
| Never attended school | 9.5 | * | 12.3 | 41.1 | 53.4 | 23.1 | * |
| Still at school | 63.3 | 25.1 | 88.4 | 325.1 | 413.5 | 21.4 | 28.4 |
| Total | 6,255.0 | 746.7 | 7,001.7 | 4,261.6 | 11,263.4 | 62.2 | 10.7 |

(a) Excludes persons in institutions.

TABLE 2. CIVILIAN POPULATION AGED 15 AND OVER(a): EDUCATIONAL ATTAINMENT AND AGE, FEBRUARY 1983

| Educational attainment | Age group (years) | | | | | | Total | per cent |
|--|-------------------|---------|---------|---------|---------|-------------|----------|----------|
| | 15-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55 and over | | |
| | — '000— | | | | | | | |
| MALES | | | | | | | | |
| With post-school qualifications | 27.9 | 247.2 | 625.7 | 545.4 | 325.3 | 417.6 | 2,189.2 | 39.2 |
| Degree or equivalent | * | 41.7 | 158.0 | 117.7 | 55.9 | 70.5 | 443.7 | 7.9 |
| Trade, technical level | 22.8 | 200.2 | 455.8 | 418.8 | 263.1 | 340.8 | 1,701.4 | 30.4 |
| Other | 5.1 | 5.3 | 12.0 | 9.0 | 6.3 | 6.3 | 44.0 | 0.8 |
| Without post-school qualifications | 408.8 | 414.4 | 580.5 | 498.2 | 427.2 | 866.6 | 3,195.7 | 57.2 |
| Attended highest level of secondary school available | 115.0 | 163.2 | 155.1 | 85.8 | 50.9 | 85.3 | 655.4 | 11.7 |
| Did not attend highest level of secondary school available | 293.8 | 251.2 | 423.8 | 409.7 | 371.2 | 770.0 | 2,519.8 | 45.1 |
| Left at age— | | | | | | | | |
| 18 years or over | * | 6.4 | 11.6 | 4.9 | * | 5.7 | 34.5 | 0.6 |
| 16 or 17 years | 162.4 | 137.8 | 167.8 | 89.3 | 48.0 | 75.3 | 680.6 | 12.2 |
| 14 or 15 years | 126.7 | 102.5 | 225.1 | 257.7 | 246.0 | 487.0 | 1,445.0 | 25.9 |
| 13 years or under | * | 4.6 | 19.3 | 57.8 | 74.4 | 202.1 | 359.7 | 6.4 |
| Never attended school | * | * | * | * | 5.1 | 11.3 | 20.5 | 0.4 |
| Still at school(b) | 202.5 | * | .. | .. | .. | .. | 202.8 | 3.6 |
| Total | 639.2 | 661.9 | 1,206.3 | 1,043.6 | 752.5 | 1,284.3 | 5,587.7 | 100.0 |
| FEMALES | | | | | | | | |
| With post-school qualifications | 63.5 | 231.1 | 474.8 | 336.0 | 173.8 | 234.5 | 1,513.7 | 26.7 |
| Degree or equivalent | * | 36.6 | 105.7 | 60.1 | 22.2 | 24.3 | 249.2 | 4.4 |
| Trade, technical level | 59.0 | 187.6 | 358.2 | 260.6 | 143.2 | 199.7 | 1,208.3 | 21.3 |
| Other | * | 6.9 | 10.9 | 15.3 | 8.4 | 10.5 | 56.2 | 1.0 |
| Without post-school qualifications | 340.1 | 416.8 | 743.3 | 673.2 | 541.5 | 1,236.4 | 3,951.3 | 69.6 |
| Attended highest level of secondary school available | 114.9 | 131.1 | 132.5 | 76.2 | 50.0 | 112.2 | 616.9 | 10.9 |
| Did not attend highest level of secondary school available | 225.0 | 285.7 | 608.7 | 593.7 | 483.0 | 1,105.2 | 3,301.5 | 58.2 |
| Left at age— | | | | | | | | |
| 18 years or over | * | 8.0 | 10.4 | 4.8 | * | 5.3 | 34.5 | 0.6 |
| 16 or 17 years | 117.1 | 144.9 | 230.4 | 126.6 | 74.9 | 112.9 | 806.8 | 14.2 |
| 14 or 15 years | 103.4 | 129.3 | 336.3 | 391.0 | 329.5 | 775.6 | 2,065.1 | 36.4 |
| 13 years or under | * | * | 31.6 | 71.4 | 75.7 | 211.5 | 395.2 | 7.0 |
| Never attended school | * | * | 5.3 | 8.4 | 8.4 | 19.0 | 32.9 | 0.6 |
| Still at school(b) | 210.1 | * | .. | .. | .. | .. | 210.7 | 3.7 |
| Total | 613.7 | 648.6 | 1,218.1 | 1,009.2 | 715.2 | 1,470.9 | 5,675.7 | 100.0 |
| PERSONS | | | | | | | | |
| With post-school qualifications | 91.4 | 478.3 | 1,100.6 | 881.4 | 499.1 | 652.1 | 3,702.9 | 32.9 |
| Degree or equivalent | * | 78.3 | 263.6 | 177.7 | 78.1 | 94.8 | 693.0 | 6.2 |
| Trade, technical level | 81.8 | 387.8 | 814.0 | 679.4 | 406.3 | 540.5 | 2,909.8 | 25.8 |
| Other | 9.3 | 12.2 | 22.9 | 24.3 | 14.7 | 16.8 | 100.2 | 0.9 |
| Without post-school qualifications | 748.9 | 831.2 | 1,323.8 | 1,171.4 | 968.6 | 2,103.0 | 7,147.0 | 63.5 |
| Attended highest level of secondary school available | 229.9 | 294.3 | 287.6 | 162.1 | 100.9 | 197.5 | 1,272.3 | 11.3 |
| Did not attend highest level of secondary school available | 518.9 | 536.9 | 1,032.6 | 1,003.5 | 854.3 | 1,875.2 | 5,821.3 | 51.7 |
| Left at age— | | | | | | | | |
| 18 years or over | 6.4 | 14.3 | 22.0 | 9.6 | 5.7 | 10.9 | 68.9 | 0.6 |
| 16 or 17 years | 279.5 | 282.7 | 398.2 | 215.9 | 122.9 | 188.2 | 1,487.4 | 13.2 |
| 14 or 15 years | 230.0 | 231.7 | 561.5 | 648.7 | 575.6 | 1,262.6 | 3,510.1 | 31.2 |
| 13 years or under | * | 8.2 | 50.9 | 129.2 | 150.1 | 413.5 | 754.8 | 6.7 |
| Never attended school | * | * | * | 5.9 | 13.5 | 30.3 | 53.4 | 0.5 |
| Still at school(b) | 412.6 | * | .. | .. | .. | .. | 413.5 | 3.7 |
| Total | 1,253.0 | 1,310.4 | 2,424.3 | 2,052.8 | 1,467.7 | 2,755.2 | 11,263.4 | 100.0 |

(a) Excludes persons in institutions. (b) Aged 15 to 20 years only. See Explanatory notes, paragraph 10.

TABLE 3. CIVILIAN POPULATION AGED 15 AND OVER(a) : EDUCATIONAL ATTAINMENT, LABOUR FORCE STATUS, STATES AND TERRITORIES, FEBRUARY 1983
(' 000)

| | With post-school qualifications | | | Attended highest secondary level | Without post-school qualifications | | Total (c) | Total (d) |
|------------------------------|---------------------------------|------------------------|-----------|----------------------------------|--|-------------|-----------|-----------|
| | Degree or equivalent | Trade, technical level | Total (b) | | Did not attend highest level of secondary school and left at age (years) | | | |
| | | | | | 16 or over | 15 or under | | |
| | | | | | | | | |
| EMPLOYED | | | | | | | | |
| New South Wales | 193.5 | 762.7 | 972.7 | 259.5 | 327.5 | 599.4 | 1,188.8 | 2,177.8 |
| Victoria | 163.6 | 496.4 | 671.7 | 212.1 | 306.8 | 463.0 | 984.7 | 1,676.2 |
| Queensland | 66.3 | 307.5 | 384.2 | 105.4 | 112.7 | 342.1 | 562.4 | 955.6 |
| South Australia | 45.7 | 174.8 | 232.1 | 66.7 | 86.9 | 157.5 | 311.7 | 550.1 |
| Western Australia | 45.2 | 195.1 | 246.2 | 74.4 | 58.1 | 178.7 | 312.6 | 565.5 |
| Tasmania | 12.2 | 47.3 | 61.0 | 36.3 | 19.0 | 48.3 | 103.7 | 166.0 |
| Northern Territory | 6.9 | 18.1 | 26.1 | 8.2 | 9.4 | 14.0 | 31.7 | 59.1 |
| Australian Capital Territory | 24.2 | 34.3 | 60.2 | 17.0 | 11.7 | 13.2 | 41.9 | 104.8 |
| Australia | 557.6 | 2,036.1 | 2,654.2 | 779.8 | 932.0 | 1,816.1 | 3,537.4 | 6,255.0 |
| UNEMPLOYED | | | | | | | | |
| New South Wales | 14.1 | 67.9 | 83.8 | 35.3 | 65.2 | 85.7 | 187.4 | 278.4 |
| Victoria | 6.9 | 30.2 | 39.3 | 24.4 | 41.7 | 61.4 | 127.7 | 173.1 |
| Queensland | • | 33.8 | 36.6 | 14.7 | 18.5 | 48.2 | 82.5 | 124.1 |
| South Australia | • | 16.6 | 19.9 | 9.3 | 16.1 | 21.0 | 46.3 | 68.9 |
| Western Australia | 3.4 | 17.5 | 21.4 | 10.9 | 10.1 | 20.0 | 41.3 | 65.9 |
| Tasmania | • | 4.4 | 4.8 | 5.3 | 3.7 | 7.9 | 16.9 | 21.9 |
| Northern Territory | • | • | • | • | • | • | • | 4.4 |
| Australian Capital Territory | • | 3.2 | 4.0 | 2.3 | 3.1 | • | 5.4 | 10.1 |
| Australia | 29.5 | 175.4 | 212.0 | 102.4 | 158.5 | 246.0 | 509.7 | 746.7 |
| LABOUR FORCE | | | | | | | | |
| New South Wales | 207.5 | 830.5 | 1,056.5 | 294.8 | 392.8 | 685.1 | 1,376.2 | 2,456.1 |
| Victoria | 170.5 | 526.6 | 711.0 | 236.5 | 348.5 | 524.4 | 1,112.4 | 1,849.2 |
| Queensland | 68.4 | 341.3 | 420.9 | 120.2 | 131.1 | 390.2 | 644.9 | 1,079.6 |
| South Australia | 47.5 | 191.4 | 251.9 | 76.0 | 102.9 | 178.5 | 358.0 | 619.1 |
| Western Australia | 48.6 | 212.6 | 267.7 | 85.3 | 68.2 | 198.7 | 353.9 | 631.5 |
| Tasmania | 12.6 | 51.8 | 65.8 | 41.7 | 22.6 | 56.1 | 120.6 | 187.9 |
| Northern Territory | 7.2 | 19.9 | 28.3 | 8.4 | 10.8 | 14.6 | 33.9 | 63.5 |
| Australian Capital Territory | 24.7 | 37.4 | 64.2 | 19.3 | 13.6 | 14.4 | 47.3 | 114.8 |
| Australia | 587.1 | 2,211.5 | 2,866.3 | 882.2 | 1,090.5 | 2,062.1 | 4,047.1 | 7,001.7 |
| NOT IN THE LABOUR FORCE | | | | | | | | |
| New South Wales | 33.1 | 268.9 | 312.9 | 119.5 | 171.4 | 777.9 | 1,084.5 | 1,502.6 |
| Victoria | 29.8 | 168.0 | 203.5 | 108.0 | 130.3 | 557.4 | 808.2 | 1,124.8 |
| Queensland | 15.0 | 107.0 | 128.1 | 60.8 | 71.3 | 400.1 | 537.9 | 706.0 |
| South Australia | 10.2 | 56.6 | 72.3 | 37.6 | 45.9 | 200.7 | 287.3 | 384.6 |
| Western Australia | 11.0 | 65.9 | 79.8 | 36.7 | 27.7 | 172.6 | 240.1 | 340.0 |
| Tasmania | 3.4 | 17.0 | 21.1 | 17.4 | 9.5 | 72.0 | 99.6 | 130.7 |
| Northern Territory | • | 3.9 | 5.1 | 2.8 | 3.5 | 9.5 | 16.1 | 25.9 |
| Australian Capital Territory | 2.4 | 11.0 | 13.9 | 7.3 | 6.2 | 12.6 | 26.2 | 47.0 |
| Australia | 105.8 | 698.2 | 836.7 | 390.1 | 465.8 | 2,202.8 | 3,099.9 | 4,261.6 |
| TOTAL | | | | | | | | |
| New South Wales | 240.6 | 1,099.4 | 1,369.4 | 414.3 | 564.2 | 1,463.0 | 2,460.7 | 3,958.7 |
| Victoria | 200.3 | 694.6 | 914.5 | 344.4 | 478.8 | 1,081.8 | 1,920.5 | 2,974.0 |
| Queensland | 83.4 | 448.3 | 548.9 | 181.0 | 202.4 | 790.3 | 1,182.8 | 1,785.6 |
| South Australia | 57.7 | 248.0 | 324.2 | 113.6 | 148.8 | 379.2 | 645.3 | 1,003.7 |
| Western Australia | 59.6 | 278.5 | 347.4 | 122.1 | 95.9 | 371.4 | 594.0 | 971.5 |
| Tasmania | 16.0 | 68.7 | 86.9 | 59.0 | 32.1 | 128.1 | 220.1 | 318.6 |
| Northern Territory | 8.2 | 23.8 | 33.4 | 11.2 | 14.4 | 24.1 | 50.0 | 89.4 |
| Australian Capital Territory | 27.1 | 48.4 | 78.1 | 26.6 | 19.8 | 27.0 | 73.5 | 161.8 |
| Australia | 693.0 | 2,909.8 | 3,702.9 | 1,272.3 | 1,556.3 | 4,265.0 | 7,147.0 | 11,263.4 |

(a) Excludes persons in institutions. (b) Includes persons with other post-school qualifications. (c) Includes persons who never attended school. (d) Includes persons aged 15 to 20 years still at school.

TABLE 4. CIVILIAN POPULATION AGED 15 AND OVER WITH A DEGREE OR EQUIVALENT LEVEL
QUALIFICATION: MAIN FIELD OF STUDY, AGE AND LABOUR FORCE STATUS, FEBRUARY 1983.

| Main field of study | Age group (years) | | | | In the labour force | | Not in the labour force | Total | Participation rate per cent |
|------------------------|-------------------|-------|-------|-------------|---------------------|-------|-------------------------|-------|------------------------------------|
| | 15-24 | 25-44 | 45-54 | 55 and over | Employed | Total | | | |
| | — '000— | | | | | | | | |
| MALES | | | | | | | | | |
| Administration etc.(a) | 9.8 | 54.3 | 11.7 | 14.9 | 77.6 | 81.9 | 8.7 | 90.7 | 90.4 |
| Law | * | 18.0 | * | 5.2 | 25.8 | 26.7 | * | 29.6 | 90.3 |
| Education, teaching | * | 28.3 | 6.9 | 5.6 | 38.4 | 39.2 | * | 43.1 | 90.9 |
| Medicine(b) | * | 28.4 | 8.1 | 13.1 | 48.7 | 48.7 | * | 52.5 | 92.8 |
| Science(c) | 13.5 | 53.5 | 8.8 | 9.0 | 73.6 | 76.6 | 8.2 | 84.9 | 90.3 |
| Engineering(d) | * | 48.2 | 8.9 | 13.1 | 66.6 | 68.1 | 6.0 | 74.1 | 91.9 |
| Architecture | * | 5.6 | * | * | 7.2 | 7.2 | * | 8.8 | 81.3 |
| Humanities(e) | 5.1 | 36.2 | 6.6 | 6.9 | 45.0 | 48.8 | 6.0 | 54.8 | 89.1 |
| Other | * | * | * | * | * | * | * | 5.3 | * |
| Total | 41.7 | 275.6 | 55.9 | 70.5 | 386.9 | 401.4 | 42.4 | 443.7 | 90.5 |
| FEMALES | | | | | | | | | |
| Administration etc.(a) | 5.8 | 14.9 | * | * | 17.0 | 18.8 | 4.5 | 23.3 | 80.6 |
| Law | 5.1 | * | * | * | * | * | * | 5.7 | * |
| Education, teaching | 10.7 | 54.3 | 6.2 | 5.5 | 54.6 | 58.9 | 17.8 | 76.7 | 76.8 |
| Medicine(b) | 4.7 | 20.0 | * | 4.5 | 24.3 | 25.8 | 6.9 | 32.7 | 78.9 |
| Science(c) | 4.8 | 20.0 | 4.7 | * | 20.7 | 22.0 | 7.4 | 29.5 | 74.8 |
| Engineering(d) | * | * | * | * | * | * | * | * | * |
| Architecture | * | * | * | * | * | * | * | * | * |
| Humanities(e) | 9.1 | 47.3 | 8.0 | 9.3 | 46.5 | 51.6 | 22.0 | 73.6 | 70.1 |
| Other | * | * | * | * | * | * | * | * | * |
| Total | 36.9 | 165.8 | 22.2 | 24.3 | 170.8 | 185.7 | 63.5 | 249.2 | 74.5 |
| PERSONS | | | | | | | | | |
| Administration etc.(a) | 15.5 | 69.2 | 12.9 | 16.3 | 94.6 | 100.7 | 13.3 | 114.0 | 88.3 |
| Law | * | 22.2 | * | 5.4 | 29.8 | 30.6 | 4.6 | 35.2 | 86.9 |
| Education, teaching | 13.0 | 82.6 | 13.1 | 11.1 | 93.0 | 98.0 | 21.8 | 119.8 | 81.8 |
| Medicine(b) | 7.5 | 48.4 | 11.7 | 17.7 | 73.0 | 74.6 | 10.7 | 85.2 | 87.5 |
| Science(c) | 18.3 | 73.4 | 11.4 | 11.2 | 94.4 | 98.7 | 15.7 | 114.3 | 86.3 |
| Engineering(d) | * | 50.2 | 8.9 | 13.6 | 67.6 | 69.7 | 7.1 | 76.8 | 90.7 |
| Architecture | * | 7.3 | * | * | 8.4 | 8.7 | * | 11.0 | 79.2 |
| Humanities(e) | 14.1 | 83.6 | 14.6 | 16.2 | 91.5 | 100.5 | 28.0 | 128.4 | 78.2 |
| Other | * | 4.5 | * | * | 5.4 | 5.7 | * | 8.1 | 69.9 |
| Total | 78.6 | 441.4 | 78.1 | 94.8 | 557.6 | 587.1 | 105.8 | 693.0 | 84.7 |

(a) Administration, business studies, commerce, economics, accounting, secretarial studies, etc. (b) Includes dentistry, pharmacy, nursing. (c) Includes mathematics, computing, veterinary and agricultural science, statistics, computer programming, chemistry, physics, etc. (d) Includes telecommunication, transport, surveying. (e) Includes languages, history, politics, philosophy, psychology, social welfare, religion, geography, art, music, etc.

TABLE 5. CIVILIAN POPULATION AGED 15 AND OVER WITH A TRADE OR TECHNICAL LEVEL QUALIFICATION: MAIN FIELD OF STUDY, AGE AND LABOUR FORCE STATUS, FEBRUARY 1983 ('000)

| Main field of study | Age group (years) | | | | In the labour force | | | Not in the labour force | Total |
|-------------------------|-------------------|---------|-------|-------------|---------------------|-----------------|---------|-------------------------|---------|
| | 15-24 | 25-44 | 45-54 | 55 and over | Employed | Unem- ployed | Total | | |
| MALES | | | | | | | | | |
| Trades— | | | | | | | | | |
| Metal | 39.8 | 132.2 | 43.4 | 62.7 | 221.4 | 20.6 | 242.0 | 36.2 | 278.2 |
| Electrical | 25.1 | 77.7 | 19.0 | 20.7 | 118.2 | 11.2 | 129.4 | 13.1 | 142.5 |
| Building | 37.1 | 132.3 | 47.8 | 62.3 | 211.9 | 24.1 | 236.0 | 43.3 | 279.4 |
| Automotive | 31.8 | 98.9 | 21.7 | 24.6 | 146.4 | 12.3 | 158.7 | 18.2 | 177.0 |
| Other | 35.5 | 137.2 | 45.3 | 51.5 | 219.1 | 15.7 | 234.7 | 34.8 | 269.6 |
| Total | 169.4 | 578.4 | 177.1 | 221.8 | 917.0 | 83.9 | 1,000.9 | 145.7 | 1,146.6 |
| Secretarial, etc.(a) | * | 4.9 | * | * | 9.3 | * | 9.7 | * | 12.2 |
| Health, para-medical(b) | * | 19.3 | 5.5 | 8.3 | 27.2 | * | 28.7 | 6.8 | 35.5 |
| Engineering(c) | 12.1 | 89.1 | 28.0 | 35.7 | 130.0 | 6.4 | 136.5 | 28.5 | 165.0 |
| Teaching | 4.7 | 29.1 | 6.9 | 9.2 | 41.6 | * | 43.0 | 6.9 | 49.9 |
| Administration, law(d) | 7.3 | 76.2 | 22.4 | 36.3 | 118.8 | * | 121.7 | 20.5 | 142.2 |
| Science, humanities(e) | 12.5 | 32.4 | 6.5 | 9.6 | 52.6 | * | 56.6 | * | 61.0 |
| Other | 12.5 | 45.0 | 15.2 | 16.3 | 72.0 | 6.0 | 78.0 | 11.1 | 89.1 |
| Total | 223.0 | 874.6 | 263.1 | 340.8 | 1,368.6 | 106.5 | 1,475.1 | 226.4 | 1,701.4 |
| FEMALES | | | | | | | | | |
| Trades | 22.7 | 48.7 | 15.9 | 20.4 | 52.2 | 7.4 | 59.5 | 48.2 | 107.7 |
| Secretarial, etc.(a) | 120.2 | 207.8 | 44.8 | 66.0 | 234.4 | 29.7 | 264.1 | 174.6 | 438.7 |
| Health, para-medical(b) | 46.7 | 170.2 | 42.8 | 54.2 | 182.9 | 12.1 | 195.0 | 118.9 | 313.9 |
| Engineering(c) | * | * | * | * | * | * | * | * | 6.7 |
| Teaching | 22.6 | 103.5 | 16.4 | 27.8 | 100.0 | 7.5 | 107.6 | 62.8 | 170.4 |
| Administration, law(d) | 5.5 | 29.4 | 6.7 | 9.1 | 30.2 | * | 34.1 | 16.6 | 50.7 |
| Science, humanities(e) | 10.3 | 28.6 | 8.4 | 9.0 | 29.2 | * | 32.7 | 23.7 | 56.4 |
| Other | 17.5 | 26.7 | 7.8 | 11.8 | 34.7 | * | 39.1 | 24.7 | 63.9 |
| Total | 246.6 | 618.8 | 143.2 | 199.7 | 667.5 | 68.9 | 736.5 | 471.9 | 1,208.3 |
| PERSONS | | | | | | | | | |
| Trades— | | | | | | | | | |
| Metal | 40.3 | 132.7 | 43.7 | 62.8 | 222.6 | 20.6 | 243.2 | 36.3 | 279.5 |
| Electrical | 25.3 | 78.3 | 19.0 | 20.7 | 118.7 | 11.2 | 129.9 | 13.4 | 143.3 |
| Building | 37.2 | 133.1 | 47.8 | 62.4 | 212.3 | 24.5 | 236.9 | 43.6 | 280.5 |
| Automotive | 32.0 | 98.9 | 21.9 | 24.6 | 146.7 | 12.4 | 159.1 | 18.2 | 177.4 |
| Other | 57.2 | 184.0 | 60.7 | 71.7 | 268.9 | 22.4 | 291.3 | 82.3 | 373.6 |
| Total | 192.1 | 627.1 | 193.0 | 242.2 | 969.2 | 91.3 | 1,060.5 | 193.9 | 1,254.4 |
| Secretarial, etc.(a) | 122.3 | 212.7 | 46.3 | 69.5 | 243.8 | 30.0 | 273.8 | 177.1 | 450.9 |
| Health, para-medical(b) | 49.0 | 189.5 | 48.3 | 62.6 | 210.1 | 13.6 | 223.7 | 125.7 | 349.4 |
| Engineering(c) | 13.3 | 93.0 | 28.4 | 37.0 | 133.9 | 6.9 | 140.8 | 30.9 | 171.6 |
| Teaching | 27.3 | 132.7 | 23.3 | 37.0 | 141.7 | 8.9 | 150.6 | 69.7 | 220.3 |
| Administration, law(d) | 12.8 | 105.6 | 29.1 | 45.4 | 148.9 | 6.9 | 155.8 | 37.1 | 193.0 |
| Science, humanities(e) | 22.8 | 61.1 | 14.9 | 18.6 | 81.9 | 7.4 | 89.3 | 28.0 | 117.3 |
| Other | 30.1 | 71.8 | 23.0 | 28.1 | 106.7 | 10.4 | 117.1 | 35.8 | 152.9 |
| Total | 469.6 | 1,493.3 | 406.3 | 540.5 | 2,036.1 | 175.4 | 2,211.5 | 698.2 | 2,909.8 |

(a) Typing, secretarial studies, data processing. (b) Includes nursing, health therapy, etc. (c) Includes telecommunication, architecture, surveying, drafting, town planning etc. (d) Includes commerce, business administration, economics, book-keeping, etc. (e) Includes computing, veterinary/agricultural science, chemistry, social studies, social welfare, languages, arts, crafts, music, etc.

TABLE 6. PERSONS IN THE LABOUR FORCE : EDUCATIONAL ATTAINMENT, EMPLOYMENT STATUS AND FULL-TIME OR PART-TIME STATUS, FEBRUARY 1983
(' 000)

| Educational attainment | Employed | | | Unemployed | | | Total |
|--|-----------|-----------|---------|----------------------------|----------------------------|-------|---------|
| | Full time | Part time | Total | Looking for full-time work | Looking for part-time work | Total | |
| MALES | | | | | | | |
| With post-school qualifications | 1,719.3 | 70.4 | 1,789.6 | 120.3 | * | 124.6 | 1,914.2 |
| Degree or equivalent | 367.6 | 19.2 | 386.9 | 12.8 | * | 14.5 | 401.4 |
| Trade, technical level | 1,320.3 | 48.3 | 1,368.6 | 104.3 | * | 106.5 | 1,475.1 |
| Other | 31.3 | * | 34.2 | * | * | * | 37.8 |
| Without post-school qualifications | 2,013.8 | 130.3 | 2,144.1 | 293.7 | 9.9 | 303.6 | 2,447.7 |
| Attended highest level of secondary school available | 447.4 | 39.7 | 487.0 | 53.2 | 5.9 | 59.0 | 546.1 |
| Did not attend highest level of secondary school available | 1,560.9 | 90.4 | 1,651.3 | 239.0 | * * | 243.0 | 1,894.3 |
| Left at age— | | | | | | | |
| 18 years or over | 22.2 | * | 23.7 | 5.2 | * | 5.2 | 28.8 |
| 16 or 17 years | 490.5 | 28.3 | 518.7 | 85.5 | * | 86.7 | 605.4 |
| 14 or 15 years | 872.9 | 46.8 | 919.6 | 130.1 | * | 132.3 | 1,052.0 |
| 13 years or under | 175.3 | 13.9 | 189.2 | 18.2 | * | 18.9 | 208.1 |
| Never attended school | 5.5 | * | 5.7 | * | * | * | 7.3 |
| Still at school | * | 23.8 | 25.5 | 5.0 | 7.5 | 12.6 | 38.1 |
| Total | 3,734.8 | 224.5 | 3,959.2 | 419.1 | 21.7 | 440.8 | 4,400.0 |
| FEMALES | | | | | | | |
| With post-school qualifications | 582.5 | 282.1 | 864.6 | 65.4 | 22.0 | 87.4 | 952.0 |
| Degree or equivalent | 126.4 | 44.4 | 170.8 | 9.9 | 5.1 | 15.0 | 185.7 |
| Trade, technical level | 442.4 | 225.1 | 667.5 | 52.8 | 16.1 | 68.9 | 736.5 |
| Other | 13.7 | 12.6 | 26.3 | * | * | * | 29.8 |
| Without post-school qualifications | 874.1 | 519.2 | 1,393.4 | 163.1 | 43.0 | 206.0 | 1,599.4 |
| Attended highest level of secondary school available | 200.5 | 92.3 | 292.7 | 32.6 | 10.7 | 43.3 | 336.1 |
| Did not attend highest level of secondary school available | 671.4 | 425.4 | 1,096.8 | 129.4 | 32.1 | 161.5 | 1,258.3 |
| Left at age— | | | | | | | |
| 18 years or over | 12.5 | * | 15.4 | * | * | * | 19.1 |
| 16 or 17 years | 255.0 | 119.2 | 374.2 | 53.3 | 9.7 | 63.0 | 437.2 |
| 14 or 15 years | 355.6 | 272.3 | 627.9 | 64.8 | 20.2 | 85.0 | 712.8 |
| 13 years or under | 48.3 | 31.0 | 79.3 | 7.7 | * | 9.9 | 89.2 |
| Never attended school | * | * | * | * | * | * | 5.0 |
| Still at school | * | 37.3 | 37.8 | * | 8.4 | 12.5 | 50.3 |
| Total | 1,457.1 | 838.7 | 2,295.8 | 232.5 | 73.4 | 305.9 | 2,601.7 |
| PERSONS | | | | | | | |
| With post-school qualifications | 2,301.8 | 352.4 | 2,654.2 | 185.7 | 26.3 | 212.0 | 2,866.3 |
| Degree or equivalent | 494.0 | 63.6 | 557.6 | 22.7 | 6.8 | 29.5 | 587.1 |
| Trade, technical level | 1,762.7 | 273.4 | 2,036.1 | 157.0 | 18.4 | 175.4 | 2,211.5 |
| Other | 45.1 | 15.4 | 60.5 | 6.0 | * | 7.1 | 67.6 |
| Without post-school qualifications | 2,887.9 | 649.5 | 3,537.4 | 456.8 | 52.9 | 509.7 | 4,047.1 |
| Attended highest level of secondary school available | 647.8 | 132.0 | 779.8 | 85.8 | 16.6 | 102.4 | 882.2 |
| Did not attend highest level of secondary school available | 2,232.3 | 515.9 | 2,748.1 | 368.4 | 36.1 | 404.5 | 3,152.6 |
| Left at age— | | | | | | | |
| 18 years or over | 34.7 | * | 39.1 | 8.8 | * | 8.8 | 47.9 |
| 16 or 17 years | 745.5 | 147.5 | 893.0 | 138.8 | 10.8 | 149.7 | 1,042.6 |
| 14 or 15 years | 1,228.5 | 319.0 | 1,547.5 | 194.9 | 22.4 | 217.3 | 1,764.8 |
| 13 years or under | 223.6 | 44.9 | 268.6 | 25.9 | * | 28.7 | 297.3 |
| Never attended school | 7.8 | * | 9.5 | * | * | * | 12.3 |
| Still at school | * | 61.2 | 63.3 | 9.2 | 15.9 | 25.1 | 88.4 |
| Total | 5,191.9 | 1,063.1 | 6,255.0 | 651.6 | 95.1 | 746.7 | 7,001.7 |

TABLE 7. EMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND INDUSTRY, FEBRUARY 1983
(' 000)

| Industry division | With post-school qualifications | | | Without post-school qualifications | | | | Total (b) | Total (c) |
|---|---------------------------------|------------------------------|--------------|---|---|----------------|---------|--------------|--------------|
| | Degree or equivalent | Trade, technical level | Total (a) | Attended highest secondary level | Did not attend highest level of secondary school and left at age (years) | | | | |
| | | | | | 16 or over | 15 or under | | | |
| | | | | | | | | | |
| MALES | | | | | | | | | |
| Agriculture, forestry, fishing and hunting | 8.7 | 58.8 | 71.9 | 35.7 | 51.2 | 147.6 | 234.8 | 310.7 | |
| Mining | 6.9 | 37.6 | 46.6 | 9.1 | 8.8 | 26.4 | 44.5 | 91.1 | |
| Manufacturing | 44.1 | 338.7 | 386.7 | 82.4 | 127.4 | 273.2 | 485.5 | 873.2 | |
| Electricity, gas and water | 9.2 | 60.5 | 70.8 | 10.2 | 14.0 | 36.0 | 60.9 | 131.7 | |
| Construction | 11.9 | 197.6 | 211.9 | 25.5 | 44.7 | 98.2 | 168.7 | 380.9 | |
| Wholesale and retail trade | 31.5 | 227.4 | 263.9 | 100.2 | 119.6 | 189.4 | 409.3 | 690.3 | |
| Transport and storage | 9.3 | 94.2 | 105.6 | 31.3 | 49.7 | 122.3 | 204.0 | 309.6 | |
| Communication | * | 40.0 | 45.3 | 14.5 | 13.2 | 32.4 | 60.1 | 105.5 | |
| Finance, property and business services | 70.9 | 77.4 | 151.1 | 71.7 | 45.2 | 37.4 | 154.5 | 305.5 | |
| Public administration and defence | 35.4 | 52.0 | 90.3 | 37.3 | 16.4 | 49.1 | 103.6 | 194.1 | |
| Community services | 142.7 | 129.3 | 275.3 | 34.5 | 27.9 | 50.6 | 113.2 | 388.9 | |
| Recreation, personal and other services | 12.0 | 55.2 | 70.2 | 34.5 | 24.2 | 46.2 | 105.2 | 177.6 | |
| Total | 386.9 | 1,368.6 | 1,789.6 | 487.0 | 542.4 | 1,108.9 | 2,144.1 | 3,959.2 | |
| FEMALES | | | | | | | | | |
| Agriculture, forestry, fishing and hunting | * | 23.3 | 25.9 | 9.6 | 17.1 | 49.5 | 76.7 | 104.5 | |
| Mining | * | * | * | * | * | * | 5.3 | 8.3 | |
| Manufacturing | 7.8 | 53.1 | 64.1 | 28.5 | 60.9 | 128.8 | 218.6 | 283.1 | |
| Electricity, gas and water | * | 5.2 | 6.1 | * | * | * | 7.6 | 13.7 | |
| Construction | * | 14.0 | 15.0 | 5.9 | 7.7 | 19.2 | 33.0 | 48.0 | |
| Wholesale and retail trade | 11.5 | 107.9 | 126.9 | 77.4 | 115.8 | 197.9 | 391.8 | 549.2 | |
| Transport and storage | * | 16.3 | 18.7 | 6.9 | 10.6 | 16.2 | 33.7 | 52.5 | |
| Communication | * | * | 5.7 | * | 7.8 | 12.0 | 23.9 | 29.6 | |
| Finance, property and business services | 13.0 | 71.2 | 86.2 | 49.3 | 55.0 | 62.4 | 166.7 | 253.3 | |
| Public administration and defence | 13.8 | 28.4 | 44.4 | 18.8 | 16.6 | 21.3 | 56.7 | 101.0 | |
| Community services | 110.4 | 283.1 | 399.4 | 60.8 | 58.0 | 115.7 | 235.6 | 636.0 | |
| Recreation, personal and other services | 8.0 | 58.8 | 69.3 | 27.8 | 35.7 | 79.7 | 143.8 | 216.6 | |
| Total | 170.8 | 667.5 | 864.6 | 292.7 | 389.6 | 707.2 | 1,393.4 | 2,295.8 | |
| PERSONS | | | | | | | | | |
| Agriculture, forestry, fishing and hunting | 10.6 | 82.0 | 97.8 | 45.2 | 68.3 | 197.1 | 311.4 | 415.2 | |
| Mining | 7.6 | 39.8 | 49.6 | 10.3 | 10.7 | 28.7 | 49.9 | 99.4 | |
| Manufacturing | 51.9 | 391.8 | 450.9 | 111.0 | 188.3 | 402.0 | 704.1 | 1,156.3 | |
| Electricity, gas and water | 9.8 | 65.7 | 76.9 | 13.1 | 16.5 | 38.2 | 68.6 | 145.5 | |
| Construction | 12.8 | 211.6 | 226.9 | 31.4 | 52.4 | 117.4 | 201.6 | 428.9 | |
| Wholesale and retail trade | 43.0 | 335.3 | 390.8 | 177.6 | 235.4 | 387.3 | 801.1 | 1,239.4 | |
| Transport and storage | 10.7 | 110.4 | 124.4 | 38.2 | 60.4 | 138.5 | 237.7 | 362.1 | |
| Communication | 5.0 | 44.1 | 51.0 | 18.3 | 21.0 | 44.5 | 84.0 | 135.1 | |
| Finance, property and business services | 83.9 | 148.6 | 237.3 | 121.0 | 100.2 | 99.8 | 321.2 | 558.8 | |
| Public administration and defence | 49.3 | 80.4 | 134.7 | 56.1 | 33.0 | 70.4 | 160.2 | 295.2 | |
| Community services | 253.0 | 412.4 | 674.6 | 95.2 | 85.9 | 166.3 | 348.8 | 1,025.0 | |
| Recreation, personal and other services | 20.0 | 113.9 | 139.5 | 62.3 | 60.0 | 125.8 | 248.9 | 394.2 | |
| Total | 557.6 | 2,036.1 | 2,654.2 | 779.8 | 932.0 | 1,816.1 | 3,537.4 | 6,255.0 | |

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school. (c) Includes persons aged 15 to 20 years still at school.

TABLE 8. EMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND OCCUPATION, FEBRUARY 1983
(' 000)

| Occupation group | With post-school qualifications | | | Attended highest secondary level | Without post-school qualifications | | Total (b) | Total (c) |
|---|---------------------------------|------------------------|-----------|----------------------------------|--|-------------|-----------|-----------|
| | Degree or equivalent | Trade, technical level | Total (a) | | Did not attend highest level of secondary school and left at age (years) | | | |
| | | | | | 16 or over | 15 or under | | |
| | | | | | | | | |
| MALES | | | | | | | | |
| Professional, technical, etc. | 273.3 | 172.2 | 448.4 | 40.9 | 15.3 | 11.9 | 68.1 | 516.7 |
| Administrative, executive and managerial | 45.0 | 133.1 | 180.3 | 62.6 | 40.5 | 81.7 | 184.8 | 365.1 |
| Clerical | 26.7 | 58.0 | 91.4 | 122.5 | 54.6 | 54.8 | 231.8 | 324.1 |
| Sales | 10.6 | 71.3 | 84.3 | 47.3 | 43.2 | 64.7 | 155.2 | 248.2 |
| Farmers, fishermen, timber-getters, etc. | 8.8 | 67.9 | 82.0 | 41.2 | 60.2 | 168.2 | 270.3 | 356.5 |
| Miners, quarrymen, etc. | * | 9.2 | 11.6 | * | * | 14.6 | 22.3 | 33.9 |
| Transport and communication | * | 69.6 | 76.8 | 26.3 | 46.0 | 139.6 | 212.5 | 289.4 |
| Tradesmen, production-process workers and labourers, n.e.c. | 12.3 | 711.5 | 731.4 | 110.4 | 241.8 | 500.1 | 856.1 | 1,593.4 |
| Service, sport and recreation | 4.6 | 75.8 | 83.3 | 32.5 | 36.7 | 73.3 | 143.1 | 232.0 |
| Total | 386.9 | 1,368.6 | 1,789.6 | 487.0 | 542.4 | 1,108.9 | 2,144.1 | 3,959.2 |
| FEMALES | | | | | | | | |
| Professional, technical, etc. | 122.0 | 222.8 | 346.6 | 34.2 | 15.4 | 19.0 | 68.6 | 415.3 |
| Administrative, executive and managerial | * | 18.2 | 23.3 | 8.2 | 9.7 | 16.7 | 34.8 | 58.1 |
| Clerical | 29.2 | 239.4 | 277.8 | 136.0 | 163.0 | 184.8 | 483.8 | 769.7 |
| Sales | 6.0 | 49.4 | 60.0 | 43.4 | 67.1 | 123.9 | 234.8 | 316.5 |
| Farmers, etc. | * | 21.5 | 23.9 | 9.4 | 17.7 | 51.1 | 78.6 | 104.7 |
| Transport and communication | * | 9.7 | 11.1 | * | 10.4 | 21.8 | 35.6 | 46.7 |
| Tradeswomen, production-process workers and labourers, n.e.c. | * | 26.4 | 29.3 | 20.8 | 43.6 | 113.4 | 178.7 | 209.0 |
| Service, sport and recreation | 6.4 | 80.2 | 92.5 | 37.5 | 62.4 | 176.5 | 278.3 | 375.5 |
| Total(d) | 170.8 | 667.5 | 864.6 | 292.7 | 389.6 | 707.2 | 1,393.4 | 2,295.8 |
| PERSONS | | | | | | | | |
| Professional, technical, etc. | 395.3 | 395.0 | 795.0 | 75.1 | 30.6 | 30.9 | 136.6 | 932.0 |
| Administrative, executive and managerial | 49.5 | 151.2 | 203.6 | 70.8 | 50.2 | 98.4 | 219.6 | 423.2 |
| Clerical | 55.8 | 297.4 | 369.3 | 258.4 | 217.6 | 239.6 | 715.6 | 1,093.8 |
| Sales | 16.6 | 120.7 | 144.4 | 90.7 | 110.3 | 188.5 | 389.9 | 564.7 |
| Farmers, fishermen, timber-getters, etc. | 10.5 | 89.4 | 105.9 | 50.6 | 77.9 | 219.3 | 348.9 | 461.2 |
| Miners, quarrymen, etc. | * | 9.2 | 11.6 | * | 4.5 | 14.6 | 22.5 | 34.1 |
| Transport and communication | 4.9 | 79.2 | 88.0 | 29.7 | 56.3 | 161.4 | 248.1 | 336.1 |
| Tradesmen, production-process workers and labourers, n.e.c. | 13.0 | 737.9 | 760.7 | 131.2 | 285.4 | 613.5 | 1,034.8 | 1,802.3 |
| Service, sport and recreation | 10.9 | 156.1 | 175.8 | 70.0 | 99.2 | 249.8 | 421.4 | 607.5 |
| Total | 557.6 | 2,036.1 | 2,654.2 | 779.8 | 932.0 | 1,816.1 | 3,537.4 | 6,255.0 |

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school. (c) Includes persons aged 15 to 20 years still at school.
(d) Includes miners, etc.

TABLE 9. EMPLOYED PERSONS(a) : EDUCATIONAL ATTAINMENT, INDUSTRY AND OCCUPATION, FEBRUARY 1983
(' 000)

| Occupation group | Industry division | | | | | | | | | | | Total |
|--|--|--------|---------------|--------------|----------------------------|-----------------------|---|--------------------|-----------------------------------|---|------------------|---------|
| | Agriculture, forestry, fishing and hunting | Mining | Manufacturing | Construction | Wholesale and retail trade | Transport and storage | Finance, property and business services | Community services | Public administration and defence | Recreation, personal and other services | Other industries | |
| WITH POST-SCHOOL QUALIFICATIONS | | | | | | | | | | | | |
| Professional, technical, etc. | • | 7.3 | 60.5 | 14.8 | 26.8 | 8.0 | 90.5 | 503.2 | 37.8 | 17.2 | 27.5 | 795.0 |
| Administrative, executive and managerial | • | • | 44.5 | 12.7 | 67.3 | 7.5 | 22.6 | 10.2 | 14.9 | 17.1 | • | 203.6 |
| Clerical | • | • | 41.4 | 15.2 | 57.0 | 20.2 | 78.4 | 63.9 | 55.7 | 14.6 | 16.9 | 369.3 |
| Sales | • | • | 13.0 | • | 97.3 | • | 22.8 | • | • | • | • | 144.4 |
| Farmers, fishermen, timber-getters, etc. | 89.0 | • | • | • | • | • | • | • | • | 5.4 | • | 105.9 |
| Miners, quarrymen and related workers | • | 10.8 | • | • | • | • | • | • | • | • | • | 11.6 |
| Transport and communication | • | • | 6.1 | • | 9.2 | 46.9 | • | • | 5.5 | • | 8.8 | 88.0 |
| Tradesmen, production-process workers and labourers, n.e.c. | • | 20.6 | 279.6 | 178.9 | 124.8 | 33.3 | 8.7 | 21.6 | 13.0 | 8.7 | 68.9 | 760.7 |
| Service, sport and recreation | • | • | • | • | 5.7 | 6.4 | 12.3 | 68.5 | • | 73.1 | • | 175.8 |
| Total | 97.8 | 49.6 | 450.9 | 226.9 | 390.8 | 124.4 | 237.3 | 674.6 | 134.7 | 139.5 | 127.9 | 2,654.2 |
| WITHOUT POST-SCHOOL QUALIFICATIONS BUT ATTENDED HIGHEST LEVEL OF SECONDARY SCHOOL AVAILABLE | | | | | | | | | | | | |
| Professional, technical, etc. | • | • | 10.4 | • | • | • | 11.8 | 33.0 | • | 6.9 | • | 75.1 |
| Administrative, executive and managerial | • | • | 10.4 | • | 30.0 | • | 9.3 | • | • | 8.1 | • | 70.8 |
| Clerical | • | • | 23.3 | 6.7 | 38.6 | 13.3 | 85.2 | 28.5 | 41.5 | 7.2 | 10.8 | 258.4 |
| Sales | • | • | 6.1 | • | 73.1 | • | 6.7 | • | • | • | • | 90.7 |
| Farmers, fishermen, timber-getters, etc. | 42.1 | • | • | • | • | • | • | • | • | • | • | 50.6 |
| Transport and communication | • | • | • | • | 4.6 | 13.7 | • | • | • | • | 5.2 | 29.7 |
| Tradesmen, production-process workers and labourers, n.e.c. | • | • | 58.2 | 17.3 | 23.4 | 4.7 | • | • | • | • | 11.9 | 131.2 |
| Service, sport and recreation | • | • | • | • | • | • | 5.2 | 25.6 | • | 30.8 | • | 70.0 |
| Total(b) | 45.2 | 10.3 | 111.0 | 31.4 | 177.6 | 38.2 | 121.0 | 95.2 | 56.1 | 62.3 | 31.4 | 779.8 |
| WITHOUT POST-SCHOOL QUALIFICATIONS AND DID NOT ATTEND HIGHEST LEVEL OF SECONDARY SCHOOL AVAILABLE(c) | | | | | | | | | | | | |
| Professional, technical, etc. | • | • | 8.9 | • | • | • | 8.1 | 25.7 | • | 8.3 | • | 61.6 |
| Administrative, executive and managerial | • | • | 17.7 | 4.7 | 71.4 | 10.3 | 19.0 | • | • | 16.4 | • | 148.6 |
| Clerical | • | 5.3 | 65.2 | 23.7 | 91.0 | 25.3 | 110.0 | 51.5 | 40.1 | 20.3 | 21.7 | 457.1 |
| Sales | • | • | 13.8 | • | 263.1 | • | 10.8 | • | • | 6.1 | • | 298.8 |
| Farmers, fishermen, timber-getters, etc. | 254.9 | • | • | • | 7.4 | • | • | 7.5 | 5.8 | 11.6 | • | 297.2 |
| Miners, quarrymen and related workers | • | 16.7 | • | • | • | • | • | • | • | • | • | 19.1 |
| Transport and communication | • | • | 21.1 | 4.9 | 22.8 | 106.2 | • | 7.9 | 11.9 | • | 32.7 | 217.7 |
| Tradesmen, production-process workers and labourers, n.e.c. | • | 11.2 | 441.9 | 128.8 | 145.6 | 46.1 | 8.0 | 22.9 | 28.3 | 9.0 | 54.8 | 898.9 |
| Service, sport and recreation | • | • | 17.1 | • | 17.2 | 8.3 | 40.4 | 132.2 | 11.9 | 111.5 | 5.7 | 349.0 |
| Total | 265.4 | 39.4 | 590.3 | 169.8 | 622.7 | 198.9 | 200.0 | 252.2 | 103.5 | 185.8 | 120.1 | 2,748.1 |

(a) Excludes persons aged 15 to 20 years who are still attending school. (b) Includes miners, etc. (c) Excludes persons who never attended school.

TABLE 10. EMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND AGE, FEBRUARY 1983

| | Age group (years) | | | | | | Total | per cent |
|--|-------------------|-------|---------|---------|-------|-------------|---------|----------|
| | 15-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55 and over | | |
| Educational attainment | — '000— | | | | | | | |
| MALES | | | | | | | | |
| With post-school qualifications | 20.9 | 204.0 | 572.8 | 514.6 | 293.0 | 184.3 | 1,789.6 | 45.2 |
| Degree or equivalent | • | 33.2 | 146.5 | 113.3 | 53.3 | 40.6 | 386.9 | 9.8 |
| Trade, technical level | 17.6 | 167.3 | 415.9 | 392.6 | 234.2 | 140.9 | 1,368.6 | 34.6 |
| Other | 6.8 | • | 10.5 | 8.6 | 5.5 | • | 34.2 | 0.9 |
| Without post-school qualifications(a) | 270.4 | 310.5 | 492.4 | 428.2 | 359.8 | 282.8 | 2,144.1 | 54.2 |
| Attended highest level of secondary school available | 65.3 | 125.7 | 140.2 | 76.1 | 43.3 | 36.4 | 487.0 | 12.3 |
| Did not attend highest level of secondary school available | 205.1 | 184.8 | 351.6 | 351.4 | 313.5 | 245.0 | 1,651.3 | 41.7 |
| Left at age— | | | | | | | | |
| 18 years or over | 6.0 | • | 9.2 | • | • | • | 23.7 | 0.6 |
| 16 or 17 years | 116.3 | 107.4 | 143.1 | 81.0 | 42.2 | 28.7 | 518.7 | 13.1 |
| 14 or 15 years | 86.2 | 70.4 | 184.3 | 218.7 | 208.1 | 152.0 | 919.6 | 23.2 |
| 13 years or under | • | • | 15.0 | 47.5 | 60.7 | 62.5 | 189.2 | 4.8 |
| Still at school | 25.5 | • | • | • | • | • | 25.5 | 0.6 |
| Total | 316.8 | 514.5 | 1,065.2 | 942.8 | 652.8 | 467.1 | 3,959.2 | 100.0 |
| FEMALES | | | | | | | | |
| With post-school qualifications | 45.0 | 170.0 | 282.8 | 212.4 | 104.9 | 49.5 | 864.6 | 37.7 |
| Degree or equivalent | • | 28.0 | 73.9 | 43.0 | 17.0 | 8.6 | 170.8 | 7.4 |
| Trade, technical level | 41.7 | 137.3 | 203.3 | 161.1 | 84.6 | 39.4 | 667.5 | 29.1 |
| Other | • | 4.7 | 5.6 | 8.3 | • | • | 26.3 | 1.1 |
| Without post-school qualifications(a) | 198.9 | 224.5 | 311.9 | 327.4 | 214.7 | 116.0 | 1,393.4 | 60.7 |
| Attended highest level of secondary school available | 66.4 | 83.3 | 64.0 | 39.3 | 25.0 | 14.8 | 292.7 | 12.8 |
| Did not attend highest level of secondary school available | 132.5 | 141.2 | 247.5 | 287.0 | 187.7 | 101.0 | 1,096.8 | 47.8 |
| Left at age— | | | | | | | | |
| 18 years or over | • | • | 4.9 | • | • | • | 15.4 | 0.7 |
| 16 or 17 years | 71.5 | 81.4 | 103.6 | 68.4 | 33.1 | 16.2 | 374.2 | 16.3 |
| 14 or 15 years | 58.4 | 55.6 | 128.7 | 184.4 | 131.1 | 69.7 | 627.9 | 27.3 |
| 13 years or under | • | • | 10.3 | 31.6 | 22.4 | 14.1 | 79.3 | 3.5 |
| Still at school | 37.8 | • | • | • | • | • | 37.8 | 1.6 |
| Total | 281.7 | 394.5 | 594.7 | 539.8 | 319.7 | 165.4 | 2,295.8 | 100.0 |
| PERSONS | | | | | | | | |
| With post-school qualifications | 65.8 | 374.1 | 855.6 | 727.0 | 397.9 | 233.8 | 2,654.2 | 42.4 |
| Degree or equivalent | • | 61.2 | 220.4 | 156.4 | 70.3 | 49.2 | 557.6 | 8.9 |
| Trade, technical level | 59.3 | 304.6 | 619.2 | 553.8 | 318.9 | 180.4 | 2,036.1 | 32.6 |
| Other | 6.4 | 8.2 | 16.0 | 16.9 | 8.8 | • | 60.5 | 1.0 |
| Without post-school qualifications | 469.3 | 535.0 | 804.3 | 755.5 | 574.6 | 398.8 | 3,537.4 | 56.6 |
| Attended highest level of secondary school available | 131.7 | 209.0 | 204.3 | 115.4 | 68.4 | 51.1 | 779.8 | 12.5 |
| Did not attend highest level of secondary school available | 337.6 | 326.0 | 599.1 | 638.3 | 501.1 | 345.9 | 2,748.1 | 43.9 |
| Left at age— | | | | | | | | |
| 18 years or over | • | 8.1 | 14.1 | 6.7 | • | • | 39.1 | 0.6 |
| 16 or 17 years | 187.8 | 188.7 | 246.7 | 149.4 | 75.3 | 44.9 | 893.0 | 14.3 |
| 14 or 15 years | 144.7 | 125.9 | 312.9 | 403.1 | 339.2 | 221.7 | 1,547.5 | 24.7 |
| 13 years or under | • | • | 25.3 | 79.1 | 83.0 | 76.6 | 268.6 | 4.3 |
| Never attended school | • | • | • | • | 5.1 | • | 9.5 | 0.2 |
| Still at school | 63.3 | • | • | • | • | • | 63.3 | 1.0 |
| Total | 598.4 | 909.0 | 1,659.9 | 1,482.6 | 972.5 | 632.6 | 6,255.0 | 100.0 |

(a) Includes persons who never attended school.

TABLE 11. UNEMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND AGE, FEBRUARY 1983

| | Age group (years) | | | | | | Total | per cent |
|--|-------------------|-------|-------|-------|-------|-------------|-------|----------|
| | 15-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55 and over | | |
| <i>Educational attainment</i> | — '000— | | | | | | | |
| MALES | | | | | | | | |
| With post-school qualifications(a) | 5.6 | 33.3 | 40.0 | 19.7 | 15.8 | 10.3 | 124.6 | 28.3 |
| Degree or equivalent | * | 4.5 | 6.3 | * | * | * | 14.5 | 3.3 |
| Trade, technical level | * | 28.1 | 32.9 | 17.3 | 14.4 | 9.6 | 106.5 | 24.2 |
| Without post-school qualifications(b) | 91.0 | 72.3 | 63.5 | 36.5 | 22.9 | 17.4 | 303.6 | 68.9 |
| Attended highest level of secondary school available | 21.7 | 17.4 | 10.3 | 6.5 | * | * | 59.0 | 13.4 |
| Did not attend highest level of secondary school available | 69.4 | 54.9 | 53.0 | 29.3 | 20.0 | 16.5 | 243.0 | 55.1 |
| Left school at age— | | | | | | | | |
| 16 years or over | 37.4 | 27.9 | 20.0 | * | * | * | 91.8 | 20.8 |
| 15 years or under | 31.9 | 27.0 | 33.0 | 25.4 | 18.0 | 15.8 | 151.2 | 34.3 |
| Still at school | 12.6 | * | .. | .. | .. | .. | 12.6 | 2.9 |
| <i>Total</i> | 109.2 | 105.6 | 103.5 | 56.2 | 38.7 | 27.7 | 440.8 | 100.0 |
| FEMALES | | | | | | | | |
| With post-school qualifications(a) | 15.1 | 23.2 | 26.1 | 15.2 | 5.9 | * | 87.4 | 28.6 |
| Degree or equivalent | * | * | 6.9 | * | * | * | 15.0 | 4.9 |
| Trade, technical level | 14.1 | 18.4 | 18.4 | 12.4 | * | * | 68.9 | 22.5 |
| Without post-school qualifications(b) | 70.9 | 47.2 | 44.5 | 29.3 | 10.9 | * | 206.0 | 67.3 |
| Attended highest level of secondary school available | 17.5 | 12.2 | 7.9 | 4.8 | * | * | 43.3 | 14.2 |
| Did not attend highest level of secondary school available | 53.4 | 35.0 | 36.4 | 24.0 | 9.6 | * | 161.5 | 52.8 |
| Left school at age— | | | | | | | | |
| 16 years or over | 28.4 | 19.2 | 14.5 | * | * | * | 66.7 | 21.8 |
| 15 years or under | 25.0 | 15.8 | 21.9 | 20.5 | 8.8 | * | 94.8 | 31.0 |
| Still at school | 12.5 | * | .. | .. | .. | .. | 12.5 | 4.1 |
| <i>Total</i> | 98.5 | 70.3 | 70.7 | 44.6 | 16.8 | 5.2 | 305.9 | 100.0 |
| PERSONS | | | | | | | | |
| With post-school qualifications(a) | 20.7 | 56.5 | 66.2 | 34.9 | 21.6 | 12.2 | 212.0 | 28.4 |
| Degree or equivalent | * | 8.5 | 13.2 | 4.6 | * | * | 29.5 | 3.9 |
| Trade, technical level | 18.3 | 46.5 | 51.3 | 29.7 | 18.8 | 10.9 | 175.4 | 23.5 |
| Without post-school qualifications(b) | 161.9 | 119.5 | 108.0 | 65.8 | 33.8 | 20.7 | 509.7 | 68.3 |
| Attended highest level of secondary school available | 39.1 | 29.5 | 18.2 | 11.3 | * | * | 102.4 | 13.7 |
| Did not attend highest level of secondary school available | 122.8 | 89.9 | 89.4 | 53.3 | 29.6 | 19.6 | 404.5 | 54.2 |
| Left school at age— | | | | | | | | |
| 16 years or over | 65.9 | 47.1 | 34.5 | 7.4 | * | * | 158.5 | 21.2 |
| 15 years or under | 56.9 | 42.8 | 54.9 | 45.9 | 26.8 | 18.6 | 246.0 | 32.9 |
| Still at school | 25.1 | * | .. | .. | .. | .. | 25.1 | 3.4 |
| <i>Total</i> | 207.7 | 175.9 | 174.2 | 100.7 | 55.4 | 32.9 | 746.7 | 100.0 |

(a) Includes a small number of persons with other post-school qualifications. (b) Includes persons who never attended school.

TABLE 12. UNEMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND DURATION OF CURRENT PERIOD OF UNEMPLOYMENT, FEBRUARY 1983

| | Duration of current period of unemployment (weeks) | | | | | | Total | Average (mean) duration | Median duration |
|---|--|------------------|-------------------|--------------------|--------------------|----------------|-------|-------------------------------|--------------------|
| | 1 and under 4 | 4 and under 8 | 8 and under 13 | 13 and under 26 | 26 and under 52 | 52 and over | | | |
| <i>Educational attainment</i> | — '000— | | | | | | | —weeks— | |
| MALES | | | | | | | | | |
| With post-school qualifications(a) | 20.1 | 22.4 | 22.0 | 26.7 | 15.5 | 18.0 | 124.6 | 23.4 | 12.0 |
| Degree or equivalent | 5.6 | | 5.8 | | * | * | 14.5 | 20.2 | 11.0 |
| Trade, technical level | 17.1 | 19.0 | 18.5 | 23.5 | 13.8 | 14.7 | 106.5 | 23.3 | 12.0 |
| Without post-school qualifications(b) | 28.6 | 40.9 | 51.3 | 59.1 | 53.1 | 70.7 | 303.6 | 35.2 | 17.1 |
| Attended highest level of secondary school available | 7.6 | 10.3 | 12.4 | 11.2 | 9.7 | 7.8 | 59.0 | 24.8 | 12.0 |
| Did not attend highest level of secondary school available | 20.9 | 30.4 | 38.6 | 47.6 | 43.4 | 62.1 | 243.0 | 37.7 | 19.0 |
| Left at age— | | | | | | | | | |
| 16 or over | 8.8 | 12.8 | 17.8 | 18.9 | 15.2 | 18.4 | 91.8 | 30.8 | 15.0 |
| 15 or under | 12.2 | 17.6 | 20.8 | 28.7 | 28.2 | 43.8 | 151.2 | 41.8 | 23.0 |
| Still at school | 5.8 | | 5.3 | | * | * | 12.6 | 11.0 | 8.0 |
| <i>Total</i> | 51.7 | 66.1 | 76.2 | 88.1 | 69.6 | 89.1 | 440.8 | 31.2 | 14.1 |
| FEMALES | | | | | | | | | |
| With post-school qualifications(a) | 20.5 | 16.2 | 16.4 | 11.1 | 11.0 | 12.2 | 87.4 | 23.3 | 9.0 |
| Degree or equivalent | 6.3 | | * | * | 5.8 | | 15.0 | 23.6 | 9.0 |
| Trade, technical level | 16.6 | 13.1 | 13.3 | 8.7 | 8.1 | 9.1 | 68.9 | 22.4 | 9.0 |
| Without post-school qualifications(b) | 34.2 | 31.1 | 33.1 | 30.9 | 31.2 | 45.5 | 206.0 | 33.8 | 13.0 |
| Attended highest level of secondary school available | 7.2 | 7.7 | 10.7 | 5.8 | 5.9 | 6.0 | 43.3 | 24.1 | 10.0 |
| Did not attend highest level of secondary school available | 27.1 | 23.4 | 22.4 | 24.4 | 24.8 | 39.5 | 161.5 | 36.5 | 14.1 |
| Left at age— | | | | | | | | | |
| 16 or over | 9.1 | 9.5 | 11.4 | 10.5 | 10.7 | 15.5 | 66.7 | 35.0 | 16.0 |
| 15 or under | 17.9 | 13.9 | 11.0 | 13.8 | 14.1 | 24.0 | 94.8 | 37.5 | 14.0 |
| Still at school | 4.9 | | 5.0 | | * | * | 12.5 | 27.6 | 9.0 |
| <i>Total</i> | 57.2 | 49.7 | 52.8 | 43.7 | 43.6 | 58.9 | 305.9 | 30.6 | 12.0 |
| PERSONS | | | | | | | | | |
| With post-school qualifications(a) | 40.6 | 38.5 | 38.4 | 37.8 | 26.4 | 30.2 | 212.0 | 23.4 | 11.0 |
| Degree or equivalent | 5.9 | 6.0 | 6.1 | 4.7 | * | * | 29.5 | 22.0 | 9.1 |
| Trade, technical level | 33.6 | 32.1 | 31.8 | 32.2 | 21.9 | 23.8 | 175.4 | 23.0 | 10.1 |
| Without post-school qualifications(b) | 62.8 | 72.0 | 84.4 | 90.0 | 84.3 | 116.2 | 509.7 | 34.6 | 16.0 |
| Attended highest level of secondary school available | 14.8 | 18.0 | 23.1 | 17.0 | 15.7 | 13.8 | 102.4 | 24.5 | 11.1 |
| Did not attend highest level of secondary school available | 48.0 | 53.8 | 61.1 | 71.9 | 68.1 | 101.6 | 404.6 | 37.2 | 17.1 |
| Left at age— | | | | | | | | | |
| 16 or over | 17.9 | 22.3 | 29.2 | 29.4 | 25.8 | 33.8 | 158.5 | 32.6 | 15.0 |
| 15 or under | 30.1 | 31.5 | 31.8 | 42.5 | 42.3 | 67.8 | 246.0 | 40.1 | 20.0 |
| Still at school | 5.5 | 5.3 | 6.2 | 6.6 | | * | 25.1 | 19.3 | 8.0 |
| <i>Total</i> | 108.9 | 115.8 | 129.0 | 131.8 | 113.2 | 148.0 | 746.7 | 30.9 | 13.0 |

(a) Includes a small number of persons with other post-school qualifications. (b) Includes persons who never attended school.

TABLE 13. PERSONS NOT IN THE LABOUR FORCE : EDUCATIONAL ATTAINMENT AND AGE, FEBRUARY 1983

| | Age group (years) | | | | | | Total | per cent |
|--|-------------------|-------|-------|-------|-------|-------------|---------|----------|
| | 15-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55 and over | | |
| Educational attainment | — '000— | | | | | | | |
| MALES | | | | | | | | |
| With post-school qualifications | * | 9.9 | 12.9 | 11.2 | 16.6 | 223.0 | 275.0 | 23.2 |
| Degree or equivalent | * | * | 5.2 | * | * | 29.2 | 42.4 | 3.6 |
| Trade, technical level | * | 4.8 | 7.0 | 8.9 | 14.4 | 190.3 | 226.4 | 19.1 |
| Other | * | * | * | * | * | * | 6.2 | 0.5 |
| Without post-school qualifications(a) | 47.4 | 31.6 | 24.7 | 33.5 | 44.4 | 566.4 | 748.0 | 63.0 |
| Attended highest level of secondary school available | 28.0 | 20.2 | 4.6 | * | 5.0 | 48.3 | 109.3 | 9.2 |
| Did not attend highest level of secondary school available | 19.4 | 11.4 | 19.2 | 29.1 | 37.8 | 508.5 | 625.5 | 52.7 |
| Left at age— | | | | | | | | |
| 18 years or over | * | * | * | * | * | * | 5.6 | 0.5 |
| 16 or 17 years | 9.6 | 4.5 | 6.0 | 5.0 | * | 46.3 | 75.2 | 6.3 |
| 14 or 15 years | 9.0 | 6.4 | 10.7 | 19.1 | 23.7 | 324.2 | 393.1 | 33.1 |
| 13 years or under | * | * | * | 4.8 | 10.0 | 134.6 | 151.6 | 12.8 |
| Still at school | 164.4 | * | .. | .. | .. | .. | 164.7 | 13.9 |
| Total | 213.2 | 41.8 | 37.6 | 44.7 | 61.0 | 789.4 | 1,187.7 | 100.0 |
| FEMALES | | | | | | | | |
| With post-school qualifications | * | 37.9 | 165.9 | 108.4 | 63.0 | 183.1 | 561.7 | 18.3 |
| Degree or equivalent | * | 4.6 | 24.9 | 14.7 | * | 15.3 | 63.5 | 2.1 |
| Trade, technical level | * | 31.9 | 136.5 | 87.1 | 54.3 | 158.9 | 471.9 | 15.4 |
| Other | * | * | 4.5 | 6.6 | 4.7 | 8.9 | 26.4 | 0.9 |
| Without post-school qualifications | 70.4 | 145.2 | 386.8 | 316.5 | 315.8 | 1,117.2 | 2,351.9 | 76.5 |
| Attended highest level of secondary school available | 31.1 | 35.7 | 60.6 | 32.1 | 24.2 | 97.2 | 280.8 | 9.1 |
| Did not attend highest level of secondary school available | 39.1 | 109.6 | 324.8 | 282.7 | 285.8 | 1,001.2 | 2,043.2 | 66.4 |
| Left at age— | | | | | | | | |
| 18 years or over | * | * | 4.7 | * | * | * | 15.4 | 0.5 |
| 16 or 17 years | 18.1 | 45.9 | 113.1 | 55.0 | 41.0 | 96.5 | 369.6 | 12.0 |
| 14 or 15 years | 20.1 | 58.7 | 188.3 | 189.0 | 192.1 | 704.0 | 1,352.2 | 44.0 |
| 13 years or under | * | * | 18.7 | 36.9 | 50.9 | 196.5 | 306.0 | 10.0 |
| Never attended school | * | * | * | * | 5.9 | 18.7 | 27.9 | 0.9 |
| Still at school | 159.8 | * | .. | .. | .. | .. | 160.4 | 5.2 |
| Total | 233.6 | 183.7 | 552.7 | 424.8 | 378.8 | 1,300.3 | 3,073.9 | 100.0 |
| PERSONS | | | | | | | | |
| With post-school qualifications | 4.9 | 47.8 | 178.8 | 119.5 | 79.5 | 406.2 | 836.7 | 19.6 |
| Degree or equivalent | * | 8.7 | 30.1 | 16.8 | 5.8 | 44.5 | 105.8 | 2.5 |
| Trade, technical level | * | 36.7 | 143.5 | 95.9 | 68.7 | 349.2 | 698.2 | 16.4 |
| Other | * | * | 5.2 | 6.8 | 5.0 | 12.5 | 32.6 | 0.8 |
| Without post-school qualifications | 117.8 | 176.8 | 411.5 | 350.0 | 360.3 | 1,683.6 | 3,099.9 | 72.7 |
| Attended highest level of secondary school available | 59.1 | 55.8 | 65.2 | 35.4 | 29.1 | 145.6 | 390.1 | 9.2 |
| Did not attend highest level of secondary school available | 58.5 | 121.0 | 344.1 | 311.8 | 323.6 | 1,509.8 | 2,668.7 | 62.6 |
| Left at age— | | | | | | | | |
| 18 years or over | * | * | 5.7 | * | * | 7.8 | 21.0 | 0.5 |
| 16 or 17 years | 27.7 | 50.3 | 119.1 | 60.0 | 44.8 | 142.8 | 444.8 | 10.4 |
| 14 or 15 years | 29.2 | 65.1 | 199.0 | 208.1 | 215.8 | 1,028.1 | 1,745.3 | 41.0 |
| 13 years or under | * | * | 20.3 | 41.7 | 60.8 | 331.0 | 457.5 | 10.7 |
| Never attended school | * | * | 5.0 | .. | 7.6 | 28.3 | 41.1 | 1.0 |
| Still at school | 324.2 | * | .. | .. | .. | .. | 325.1 | 7.6 |
| Total | 446.8 | 225.5 | 590.3 | 469.5 | 439.8 | 2,089.8 | 4,261.6 | 100.0 |

(a) Includes persons who never attended school.

TABLE 14. PERSONS NOT IN THE LABOUR FORCE : EDUCATIONAL ATTAINMENT, WHETHER IN THE LABOUR FORCE IN THE LAST TWELVE MONTHS AND MAJOR ACTIVITY WHILE OUT OF THE LABOUR FORCE, FEBRUARY 1983
(* 000)

| | Major activity while out of the labour force | | | | | | | | Total |
|--|--|----------|-------------------------------|---------------------|----------------------------|-----------------------|----------------|--------------------------|---------|
| | Kept house | Studying | Retired, voluntarily inactive | Own illness, injury | Permanently unable to work | Unpaid voluntary work | Other activity | Not asked major activity | |
| IN THE LABOUR FORCE IN THE LAST TWELVE MONTHS | | | | | | | | | |
| With post-school qualifications(a) | 111.1 | 11.5 | 36.8 | 12.2 | * | * | 5.3 | 19.1 | 197.2 |
| Degree or equivalent | 13.1 | 7.0 | 7.6 | * | * | * | * | * | 32.5 |
| Trade, technical level | 93.6 | * | 28.9 | 10.1 | * | * | * | 15.6 | 156.7 |
| Without post-school qualifications(b) | 222.7 | 41.3 | 69.7 | 30.1 | * | * | 8.4 | 53.7 | 427.6 |
| Attended highest level of secondary school available | 30.6 | 30.7 | 13.0 | * | * | * | * | 12.0 | 92.8 |
| Did not attend highest level of secondary school available | 191.4 | 10.6 | 56.3 | 25.1 | * | * | 6.4 | 41.2 | 332.4 |
| Left at age— | | | | | | | | | |
| 16 years or over | 55.6 | 6.7 | 11.0 | 5.9 | * | * | * | 13.0 | 94.6 |
| 15 years or under | 135.8 | * | 45.4 | 19.2 | * | * | * | 28.2 | 237.8 |
| Still at school | * | 66.7 | * | * | * | * | * | * | 72.3 |
| Total | 334.4 | 119.5 | 107.3 | 42.3 | * | * | 14.1 | 76.8 | 697.1 |
| Males | * | 60.4 | 78.1 | 28.6 | * | * | 9.6 | 29.7 | 211.0 |
| Females | 331.5 | 59.1 | 29.2 | 13.7 | * | * | 4.5 | 47.0 | 486.1 |
| NOT IN THE LABOUR FORCE IN THE LAST 12 MONTHS | | | | | | | | | |
| With post-school qualifications(a) | 370.3 | 15.5 | 207.4 | 21.6 | 10.0 | 12.6 | * | .. | 639.5 |
| Degree or equivalent | 35.4 | 7.6 | 24.4 | * | * | * | * | .. | 73.4 |
| Trade, technical level | 318.3 | 6.3 | 178.2 | 19.1 | 9.3 | 8.8 | * | .. | 541.5 |
| Without post-school qualifications | 1,822.9 | 67.8 | 618.7 | 73.5 | 56.1 | 22.2 | 11.0 | .. | 2,672.2 |
| Attended highest level of secondary school available | 176.6 | 50.3 | 56.4 | 5.6 | * | * | * | .. | 297.3 |
| Did not attend highest level of secondary school available | 1,627.4 | 17.5 | 549.4 | 65.5 | 49.2 | 18.5 | 8.8 | .. | 2,336.3 |
| Left at age— | | | | | | | | | |
| 16 years or over | 284.2 | 7.8 | 56.9 | 9.0 | 7.1 | 4.5 | * | .. | 371.3 |
| 15 years or under | 1,343.2 | 9.7 | 492.5 | 56.5 | 42.1 | 14.0 | 7.0 | .. | 1,965.0 |
| Never attended school | 18.9 | * | 12.8 | 6.3 | .. | * | * | .. | 38.7 |
| Still at school | * | 251.2 | * | * | * | * | * | .. | 252.8 |
| Total | 2,193.9 | 334.5 | 826.2 | 95.1 | 66.9 | 34.8 | 13.1 | .. | 3,564.5 |
| Males | 24.0 | 165.4 | 653.8 | 71.3 | 47.6 | 7.7 | 6.8 | .. | 976.7 |
| Females | 2,169.9 | 169.1 | 172.4 | 23.8 | 19.3 | 27.2 | 6.3 | .. | 2,587.9 |
| TOTAL | | | | | | | | | |
| With post-school qualifications | 481.4 | 27.0 | 244.2 | 33.8 | 10.8 | 12.9 | 7.4 | 19.1 | 836.7 |
| Degree or equivalent | 48.5 | 14.6 | 32.0 | * | * | * | * | * | 105.8 |
| Trade, technical level | 411.9 | 10.3 | 207.1 | 29.2 | 10.1 | 8.9 | 5.1 | 15.6 | 698.2 |
| Other | 21.0 | * | 5.1 | * | * | * | * | * | 32.6 |
| Without post-school qualifications | 2,045.6 | 109.1 | 688.4 | 103.5 | 57.2 | 22.8 | 19.5 | 53.7 | 3,099.9 |
| Attended highest level of secondary school available | 207.2 | 81.1 | 69.4 | 9.7 | * | 7.7 | .. | 12.0 | 390.1 |
| Did not attend highest level of secondary school available | 1,818.8 | 28.1 | 605.7 | 90.5 | 50.3 | 18.8 | 15.2 | 41.2 | 2,668.7 |
| Left at age— | | | | | | | | | |
| 16 years or over | 339.8 | 14.5 | 67.8 | 14.9 | 7.1 | 4.5 | * | 13.0 | 465.8 |
| 15 years or under | 1,479.0 | 13.6 | 537.9 | 75.7 | 43.2 | 14.3 | 10.9 | 28.2 | 2,202.8 |
| Never attended school | 19.6 | * | 13.2 | 7.2 | .. | * | * | * | 41.1 |
| Still at school | * | 317.9 | * | * | * | * | * | * | 325.1 |
| Total | 2,528.3 | 454.0 | 933.6 | 137.3 | 68.9 | 35.6 | 27.2 | 76.8 | 4,261.6 |
| Males | 26.9 | 225.8 | 732.0 | 99.9 | 49.3 | 7.7 | 16.5 | 29.7 | 1,187.7 |
| Females | 2,501.4 | 228.2 | 201.6 | 37.5 | 19.6 | 28.0 | 10.8 | 47.0 | 3,073.9 |

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school.

TABLE 15. SUMMARY OF SURVEY RESULTS, 1979 TO 1983
(' 000)

| Labour force status and year of survey | With post-school qualifications | | | Attended highest secondary level | Without post-school qualifications | | Total (b) | Total (c) |
|---|---------------------------------|------------------------------|--------------|---|---|----------------|--------------|--------------|
| | Degree or equivalent | Trade, technical level | Total (a) | | Did not attend highest level of secondary school and left at age (years) | | | |
| | | | | | 16 or over | 15 or under | | |
| | | | | | | | | |
| MALES | | | | | | | | |
| Employed— | | | | | | | | |
| 1979 | 313.6 | 1,235.1 | 1,575.6 | 441.6 | 534.4 | 1,311.7 | 2,295.3 | 3,900.0 |
| 1980 | 310.3 | 1,266.3 | 1,601.1 | 452.3 | 564.1 | 1,287.3 | 2,317.2 | 3,950.8 |
| 1981 | 353.4 | 1,322.0 | 1,703.1 | 474.4 | 555.1 | 1,283.7 | 2,321.5 | 4,057.1 |
| 1982 | 363.7 | 1,399.2 | 1,789.1 | 483.3 | 570.5 | 1,198.1 | 2,259.9 | 4,082.9 |
| 1983 | 386.9 | 1,368.6 | 1,789.6 | 487.0 | 542.4 | 1,108.9 | 2,144.1 | 3,959.2 |
| Unemployed— | | | | | | | | |
| 1979 | 6.6 | 45.4 | 53.4 | 30.8 | 47.7 | 98.0 | 177.4 | 241.1 |
| 1980 | 10.7 | 38.0 | 50.5 | 22.7 | 53.9 | 93.1 | 169.9 | 229.7 |
| 1981 | 8.9 | 36.1 | 45.4 | 28.7 | 49.3 | 91.7 | 170.2 | 225.5 |
| 1982 | 8.4 | 41.6 | 50.6 | 35.2 | 61.9 | 94.6 | 192.3 | 251.7 |
| 1983 | 14.5 | 106.5 | 124.6 | 59.0 | 91.9 | 151.2 | 303.6 | 440.8 |
| Total labour force— | | | | | | | | |
| 1979 | 320.2 | 1,280.6 | 1,629.0 | 472.4 | 582.1 | 1,409.7 | 2,472.8 | 4,141.1 |
| 1980 | 321.0 | 1,304.3 | 1,651.6 | 475.0 | 618.1 | 1,380.3 | 2,487.2 | 4,180.5 |
| 1981 | 362.3 | 1,358.1 | 1,748.5 | 503.2 | 604.5 | 1,375.5 | 2,491.7 | 4,282.5 |
| 1982 | 372.1 | 1,440.9 | 1,839.7 | 518.5 | 632.4 | 1,292.7 | 2,452.3 | 4,334.7 |
| 1983 | 401.4 | 1,475.1 | 1,914.2 | 546.1 | 634.2 | 1,260.1 | 2,447.7 | 4,440.0 |
| Not in the labour force(d)— | | | | | | | | |
| 1982 | 38.9 | 215.3 | 257.2 | 96.2 | 72.7 | 525.8 | 707.9 | 1,128.1 |
| 1983 | 42.4 | 226.4 | 275.0 | 109.3 | 80.8 | 544.7 | 748.0 | 1,187.7 |
| Civilian population aged 15 and over(d)— | | | | | | | | |
| 1982 | 410.9 | 1,656.1 | 2,096.9 | 614.7 | 705.1 | 1,818.5 | 3,160.2 | 5,462.8 |
| 1983 | 443.7 | 1,701.4 | 2,189.2 | 655.4 | 715.0 | 1,804.7 | 3,195.7 | 5,587.7 |
| FEMALES | | | | | | | | |
| Employed— | | | | | | | | |
| 1979 | 111.4 | 538.8 | 667.1 | 252.9 | 366.3 | 806.5 | 1,430.0 | 2,134.6 |
| 1980 | 119.4 | 586.2 | 727.8 | 258.2 | 414.5 | 789.8 | 1,466.0 | 2,228.7 |
| 1981 | 145.1 | 632.8 | 801.9 | 272.2 | 399.6 | 753.5 | 1,430.5 | 2,270.5 |
| 1982 | 153.9 | 655.5 | 833.0 | 283.7 | 410.0 | 741.9 | 1,440.4 | 2,314.6 |
| 1983 | 170.8 | 667.5 | 864.6 | 292.7 | 389.6 | 707.2 | 1,393.4 | 2,295.8 |
| Unemployed— | | | | | | | | |
| 1979 | * | 41.4 | 50.3 | 29.5 | 44.8 | 86.4 | 160.7 | 219.0 |
| 1980 | * | 39.9 | 46.4 | 29.3 | 49.5 | 76.8 | 157.2 | 213.1 |
| 1981 | 10.7 | 36.7 | 51.3 | 24.5 | 48.3 | 62.6 | 136.2 | 196.9 |
| 1982 | 12.8 | 50.8 | 65.5 | 33.6 | 47.1 | 74.3 | 155.4 | 232.7 |
| 1983 | 15.0 | 68.9 | 87.4 | 43.3 | 66.7 | 94.8 | 206.0 | 305.9 |
| Total labour force— | | | | | | | | |
| 1979 | 117.1 | 580.2 | 717.4 | 282.4 | 411.1 | 892.8 | 1,590.6 | 2,353.6 |
| 1980 | 124.0 | 626.1 | 774.2 | 287.5 | 464.0 | 866.6 | 1,623.2 | 2,441.8 |
| 1981 | 155.8 | 669.5 | 853.2 | 296.6 | 448.0 | 816.0 | 1,566.7 | 2,467.5 |
| 1982 | 166.7 | 706.3 | 898.5 | 317.2 | 457.1 | 816.3 | 1,595.7 | 2,547.3 |
| 1983 | 185.7 | 736.5 | 952.0 | 336.1 | 456.3 | 802.0 | 1,599.4 | 2,601.7 |
| Not in the labour force(d)— | | | | | | | | |
| 1982 | 67.5 | 449.0 | 536.9 | 267.1 | 397.3 | 1,639.1 | 2,329.8 | 3,018.0 |
| 1983 | 63.5 | 471.9 | 561.7 | 280.8 | 385.0 | 1,658.2 | 2,351.9 | 3,073.9 |
| Civilian population aged 15 and over(d)— | | | | | | | | |
| 1982 | 234.2 | 1,155.3 | 1,435.4 | 584.3 | 854.4 | 2,455.2 | 3,925.6 | 5,565.2 |
| 1983 | 249.2 | 1,208.3 | 1,513.7 | 616.9 | 841.3 | 2,460.2 | 3,951.3 | 5,675.7 |
| PERSONS | | | | | | | | |
| Employed— | | | | | | | | |
| 1979 | 425.0 | 1,773.9 | 2,242.7 | 694.5 | 900.6 | 2,118.1 | 3,725.3 | 6,034.6 |
| 1980 | 429.7 | 1,852.5 | 2,329.0 | 710.5 | 978.5 | 2,077.1 | 3,783.3 | 6,179.5 |
| 1981 | 498.5 | 1,954.8 | 2,505.0 | 746.6 | 954.9 | 2,037.1 | 3,752.0 | 6,327.6 |
| 1982 | 517.6 | 2,054.8 | 2,622.1 | 766.9 | 980.5 | 1,940.0 | 3,700.3 | 6,397.5 |
| 1983 | 557.6 | 2,036.1 | 2,654.2 | 779.8 | 932.0 | 1,816.1 | 3,537.4 | 6,255.0 |
| Unemployed— | | | | | | | | |
| 1979 | 12.3 | 86.8 | 103.7 | 60.3 | 92.5 | 184.4 | 338.1 | 460.1 |
| 1980 | 15.4 | 77.9 | 96.9 | 52.0 | 103.4 | 169.8 | 327.1 | 442.8 |
| 1981 | 19.6 | 72.8 | 96.7 | 53.2 | 97.6 | 154.3 | 306.4 | 422.4 |
| 1982 | 21.2 | 92.4 | 116.1 | 68.7 | 108.9 | 168.9 | 347.7 | 484.4 |
| 1983 | 29.5 | 175.4 | 212.0 | 102.4 | 158.5 | 246.0 | 509.7 | 746.7 |
| Total labour force— | | | | | | | | |
| 1979 | 437.3 | 1,860.7 | 2,346.4 | 754.8 | 993.2 | 2,302.5 | 4,063.4 | 6,494.7 |
| 1980 | 445.1 | 1,930.4 | 2,425.8 | 762.5 | 1,081.9 | 2,246.9 | 4,110.4 | 6,622.3 |
| 1981 | 518.1 | 2,027.6 | 2,601.7 | 799.8 | 1,052.4 | 2,191.5 | 4,058.4 | 6,750.0 |
| 1982 | 538.8 | 2,147.2 | 2,738.2 | 835.7 | 1,089.4 | 2,108.9 | 4,048.0 | 6,881.9 |
| 1983 | 587.1 | 2,211.5 | 2,866.3 | 882.2 | 1,090.5 | 2,062.1 | 4,047.1 | 7,001.7 |
| Not in the labour force(d)— | | | | | | | | |
| 1982 | 106.3 | 664.3 | 794.0 | 363.4 | 470.1 | 2,164.8 | 3,037.7 | 4,146.1 |
| 1983 | 105.8 | 698.2 | 836.7 | 390.1 | 465.8 | 2,202.8 | 3,099.9 | 4,261.6 |
| Civilian population aged 15 and over(d)— | | | | | | | | |
| 1982 | 645.1 | 2,811.4 | 3,532.2 | 1,199.0 | 1,559.5 | 4,273.8 | 7,085.7 | 11,028.0 |
| 1983 | 693.0 | 2,909.8 | 3,702.9 | 1,272.3 | 1,556.3 | 4,265.0 | 7,147.0 | 11,263.4 |

(a) Includes person with other post-school qualifications. (b) Includes persons who never attended school. (c) Includes persons aged 15 to 20 years still at school. (d) In 1979, 1980 and 1981 only persons in the labour force were surveyed. See Explanatory notes, paragraph 11.

TABLE 16. UNEMPLOYED PERSONS : EDUCATIONAL ATTAINMENT, UNEMPLOYMENT RATE, MEDIAN AND AVERAGE DURATION OF CURRENT PERIOD OF UNEMPLOYMENT, 1979 TO 1983

| | With post-school qualifications | | | Without post-school qualifications | | | |
|-------------------------------|---------------------------------|------------------------|-----------|------------------------------------|--|-----------|-----------|
| | Degree or equivalent | Trade, technical level | Total (a) | Attended highest secondary level | Did not attend highest level of secondary school | Total (b) | Total (c) |
| MALES | | | | | | | |
| Unemployment rate (per cent)— | | | | | | | |
| 1979 | 2.1 | 3.5 | 3.3 | 6.5 | 7.3 | 7.2 | 5.8 |
| 1980 | 3.3 | 2.9 | 3.1 | 4.8 | 7.4 | 6.8 | 5.5 |
| 1981 | 2.7 | 2.5 | 2.6 | 5.7 | 7.1 | 6.8 | 5.3 |
| 1982 | 2.3 | 2.9 | 2.7 | 6.8 | 8.1 | 7.8 | 5.8 |
| 1983 | 3.6 | 7.2 | 6.5 | 10.8 | 12.8 | 12.4 | 10.0 |
| Average duration (weeks)— | | | | | | | |
| 1979 | 12.3 | 26.1 | 24.0 | 19.8 | 39.3 | 36.1 | 32.4 |
| 1980 | 18.6 | 24.6 | 24.0 | 15.7 | 32.9 | 30.6 | 28.4 |
| 1981 | 19.4 | 25.2 | 23.9 | 26.2 | 41.1 | 38.6 | 34.5 |
| 1982 | 20.6 | 31.0 | 29.0 | 22.3 | 37.5 | 34.9 | 32.9 |
| 1983 | 20.2 | 23.3 | 23.4 | 24.8 | 37.7 | 35.2 | 31.2 |
| Median duration (weeks)— | | | | | | | |
| 1979 | 8.6 | 12.2 | 11.5 | 11.0 | 18.4 | 16.6 | 14.2 |
| 1980 | 9.8 | 8.8 | 9.6 | 10.8 | 15.7 | 14.1 | 12.3 |
| 1981 | 9.1 | 9.5 | 9.3 | 11.5 | 19.4 | 16.9 | 12.8 |
| 1982 | 8.1 | 11.8 | 11.0 | 10.0 | 14.4 | 13.1 | 12.2 |
| 1983 | 11.0 | 12.0 | 12.0 | 12.0 | 19.0 | 17.1 | 14.1 |
| FEMALES | | | | | | | |
| Unemployment rate (per cent)— | | | | | | | |
| 1979 | * | 7.1 | 7.0 | 10.4 | 10.1 | 10.1 | 9.3 |
| 1980 | * | 6.4 | 6.0 | 10.2 | 9.5 | 9.7 | 8.7 |
| 1981 | 6.9 | 5.5 | 6.0 | 8.2 | 8.8 | 8.7 | 8.0 |
| 1982 | 7.7 | 7.2 | 7.3 | 10.6 | 9.5 | 9.7 | 9.1 |
| 1983 | 8.0 | 9.4 | 9.2 | 12.9 | 12.9 | 12.9 | 11.8 |
| Average duration (weeks)— | | | | | | | |
| 1979 | * | 21.6 | 21.0 | 19.4 | 27.8 | 26.3 | 24.5 |
| 1980 | * | 20.6 | 21.4 | 20.6 | 29.7 | 28.6 | 26.5 |
| 1981 | 16.4 | 22.9 | 20.8 | 21.3 | 31.8 | 30.0 | 26.8 |
| 1982 | 12.8 | 20.4 | 19.4 | 20.1 | 31.8 | 29.2 | 25.6 |
| 1983 | 23.6 | 22.4 | 23.3 | 24.1 | 36.5 | 33.8 | 30.6 |
| Median duration (weeks)— | | | | | | | |
| 1979 | * | 7.3 | 7.6 | 8.6 | 10.8 | 10.2 | 9.5 |
| 1980 | * | 9.1 | 9.4 | 10.0 | 11.1 | 11.0 | 10.6 |
| 1981 | 10.1 | 10.3 | 9.8 | 10.5 | 11.4 | 11.2 | 10.6 |
| 1982 | 8.6 | 8.4 | 8.6 | 8.7 | 11.1 | 10.4 | 9.6 |
| 1983 | 9.0 | 9.0 | 9.0 | 10.0 | 14.1 | 13.0 | 12.0 |
| PERSONS | | | | | | | |
| Unemployment rate (per cent)— | | | | | | | |
| 1979 | 2.8 | 4.7 | 4.4 | 8.0 | 8.4 | 8.3 | 7.1 |
| 1980 | 3.5 | 4.0 | 4.0 | 6.8 | 8.2 | 8.0 | 6.7 |
| 1981 | 3.8 | 3.6 | 3.7 | 6.7 | 7.8 | 7.5 | 6.3 |
| 1982 | 3.9 | 4.3 | 4.2 | 8.2 | 8.7 | 8.6 | 7.0 |
| 1983 | 5.0 | 7.9 | 7.4 | 11.6 | 12.8 | 12.6 | 10.7 |
| Average duration (weeks)— | | | | | | | |
| 1979 | 12.1 | 24.0 | 22.6 | 19.6 | 33.9 | 31.4 | 28.6 |
| 1980 | 20.1 | 22.5 | 22.7 | 18.5 | 31.4 | 29.6 | 27.5 |
| 1981 | 17.8 | 24.0 | 22.2 | 24.0 | 37.0 | 34.8 | 30.9 |
| 1982 | 15.9 | 25.2 | 23.6 | 21.2 | 35.0 | 32.4 | 29.4 |
| 1983 | 22.0 | 23.0 | 23.4 | 24.5 | 37.2 | 34.6 | 30.9 |
| Median duration (weeks)— | | | | | | | |
| 1979 | 8.2 | 9.5 | 9.4 | 9.4 | 13.1 | 12.3 | 11.5 |
| 1980 | 9.6 | 9.0 | 9.5 | 10.5 | 12.6 | 12.3 | 11.5 |
| 1981 | 9.7 | 9.9 | 9.6 | 11.1 | 15.1 | 13.0 | 11.8 |
| 1982 | 8.5 | 9.9 | 9.6 | 9.2 | 12.5 | 11.8 | 10.9 |
| 1983 | 9.1 | 10.1 | 11.0 | 11.1 | 17.1 | 16.0 | 13.0 |

(a) Includes person with other post-school qualifications. (b) Includes persons who never attended school. (c) Includes persons aged 15 to 20 years still at school.

TECHNICAL NOTE

Estimation procedure

The estimates are derived from the population survey by use of a ratio estimation procedure which ensures that the estimates conform to an independently estimated distribution of the population for each capital city and remainder of State by age and sex, rather than to the corresponding distribution within the sample itself.

Reliability of the estimates

2. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure of the likely difference is the *relative standard error*, which is obtained by expressing the standard error as a percentage of the estimate.

3. Space does not allow for the separate indication of the standard errors of all estimates in this publication. A table of standard errors for general application is given on the following page. Since they are averages based on calculations for a limited number of past surveys over a wide range of labour force characteristics these figures will not give a precise measure of the standard error of a particular estimate but they will provide an indication of its magnitude.

4. An example of the calculation and the use of standard errors in relation to estimates of persons is as follows. From Table 1 the estimated number of persons in the labour force with post-school qualifications is 2,866,300. Since this estimate is between 2,000,000 and 5,000,000 the standard error for Australia will be between 13,000 and 17,050 in the standard error table and can be approximated as 14,200 (rounded to the nearest 100). Therefore there are about two chances in three that the value that would have been produced if all dwellings had

been included in the survey will fall in the range 2,852,100 to 2,880,500 and about nineteen chances in twenty that the value will fall within the range 2,837,900 and 2,894,700. This example is illustrated in the diagram.

5. As can be seen from the standard error table, *the smaller the estimate the higher is the relative standard error*. Very small estimates are thus subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this publication, estimates less than the lowest levels shown in the standard error table have not been published. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable.

6. Proportions and percentages formed from the ratio of two estimates are also subject to sampling errors. The size of the error depends on the accuracy of both the numerator and the denominator. The formula for the relative standard error (RSE) of a proportion is given below:

$$RSE(x/y) = \sqrt{[RSE(x)]^2 + [RSE(y)]^2}$$

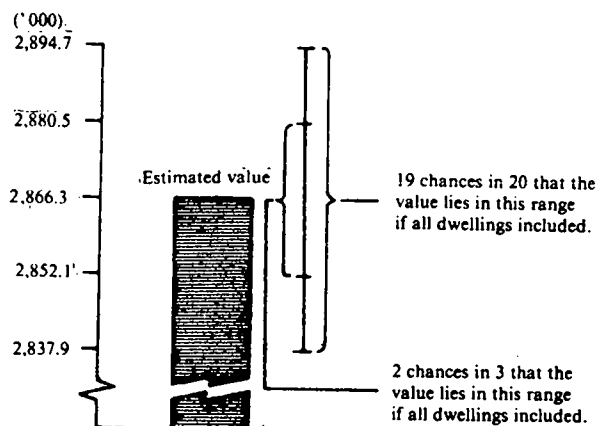
7. Considering the example from paragraph 4 above, these persons as a proportion of the total population with post-school qualifications (3,702,900) gives the participation rate — 77.4 per cent. The standard error for 3,702,900 is approximately 15,300 so the relative standard error is 0.4 per cent. The relative standard error for 2,866,300 is 0.5 per cent. Applying the above formula, the *relative standard error of the proportion* is $\sqrt{(0.5)^2 + (0.4)^2}$ or 0.3 per cent, giving a standard error for the proportion (77.4 per cent) of 0.2 percentage points. Therefore, there are about two chances in three that the proportion, i.e. participation rate, for persons with post-school qualifications is between 77.2 per cent and 77.6 per cent and nineteen chances in twenty the proportion is within the range 77.0 per cent to 77.8 per cent.

8. Published figures may also be used to estimate the difference between two survey estimates (of numbers or percentages). Such a figure is itself an estimate and is therefore subject to sampling error. The sampling error of the difference between two estimates depends on their standard errors and the relationship (correlation) between them. An approximate standard error (SE) of the difference between two estimates (x-y) may be calculated by the following formula:

$$SE(x-y) = \sqrt{[SE(x)]^2 + [SE(y)]^2}$$

While this formula will only be exact for differences between separate and uncorrelated characteristics or sub-populations, it is expected to provide a good approximation for all differences likely to be of interest in this publication.

9. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by interviewers and respondents and errors made in the coding and processing of data. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or a sample.



STANDARD ERRORS OF ESTIMATES

| Size of estimate | N.S.W. | Vic. | Qld | S.A. | W.A. | Tas. | N.T. | A.C.T. | Australia | |
|------------------|--------|-------|------|------|------|------|------|--------|---|------|
| | | | | | | | | | Relative standard error (per cent) | |
| | | | | | | | | | | |
| — number— | | | | | | | | | | |
| 1.500 | | | | | | 350 | | | | |
| 2.300 | | | | 550 | 600 | 400 | 550 | 550 | | |
| 3.000 | | | | 650 | 650 | 450 | 650 | 600 | | |
| 3.500 | | | 850 | 650 | 700 | 500 | 700 | 600 | | |
| 4.000 | | | 900 | 700 | 750 | 500 | 700 | 650 | | |
| 4.500 | | | 950 | 750 | 800 | 550 | 750 | 700 | | |
| 5.000 | 1250 | 1250 | 1000 | 800 | 850 | 550 | 800 | 700 | 1100 | 24.4 |
| 6.000 | 1350 | 1350 | 1050 | 850 | 900 | 600 | 850 | 750 | 1200 | 24.0 |
| 7.000 | 1450 | 1400 | 1150 | 900 | 950 | 650 | 900 | 800 | 1300 | 21.7 |
| 10.000 | 1700 | 1650 | 1350 | 1050 | 1100 | 750 | 1050 | 850 | 1400 | 20.0 |
| 20.000 | 2350 | 2200 | 1750 | 1350 | 1450 | 950 | 1350 | 1050 | 1650 | 16.5 |
| 50.000 | 3400 | 3100 | 2500 | 1850 | 2000 | 1250 | 1900 | 1300 | 2250 | 11.3 |
| 100.000 | 4450 | 4000 | 3250 | 2350 | 2500 | 1450 | 2450 | 1450 | 3400 | 6.8 |
| 200.000 | 5750 | 5050 | 4100 | 2950 | 3100 | 1750 | | 1600 | 4500 | 4.5 |
| 300.000 | 6650 | 5700 | 4700 | 3300 | 3500 | | | | 5900 | 2.9 |
| 500.000 | 7900 | 6650 | 5550 | 3850 | 4000 | | | | 6850 | 2.3 |
| 1.000.000 | 9800 | 8050 | 6850 | | | | | | 8250 | 1.6 |
| 2.000.000 | 12000 | 9650 | | | | | | | 10400 | 1.0 |
| 5.000.000 | 15350 | 11850 | | | | | | | 13000 | 0.7 |
| | | | | | | | | | 17050 | 0.3 |

— Estimates below the levels indicated have not been published, see paragraph 5 above.